

Notice of Hearing

ON AN APPLICATION FOR UNIT OPERATIONS



OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS RESOURCES MANAGEMENT
2045 Morse Road, F-3 • Columbus, OH 43229

NOTICE DATE:

Why Am I Receiving this Notice?

You are receiving this notice because the Division of Oil and Gas Resources Management (Division) has received an application pursuant to Ohio Revised Code 1509.28 for a unitization order. The applicant listed you in its application as having an interest or potential interest within the proposed oil and gas drilling unit.

A virtual hearing on the unitization application will be held on Webex, and you may choose to join. Hearings may last up to two hours. Any changes to the hearing date and time, such as cancellations or continuances, will be posted to the Division's website:

<https://oilandgas.ohiodnr.gov/unitization>

What Happens at the Hearing?

At the hearing, the applicant will present witnesses in support of its application for unitization. Then, anyone with an interest or potential interest in the proposed unit and anyone else who may be adversely affected by an order on the application will have an opportunity to present questions and concerns to the Division. A court reporter will create a record of the hearing.

Do I Have to Attend the Hearing?

Your attendance at the hearing is optional.

How Do I Attend the Hearing?

You can join the hearing up to 15 minutes before its start time, from a device connected to the internet or by calling in via telephone.

- You do not have to speak if you join the hearing.
- If you join the hearing over an internet connection using a phone or tablet, you will need to download the Webex app.
- If you call in using your phone, or if you are using a web browser on a desktop computer, you do not need to download the Webex app.

Attend Hearing via Webex

[HTTPS://SIGNIN.WEBEX.COM/JOIN](https://signin.webex.com/join)

MEETING #:

MEETING PASSWORD:

Attend Hearing via Phone United States Toll-free

CALL:

ACCESS CODE:

How Do I Include My Comments on the Record?

If you speak at the hearing, your comments will be recorded. If you are unable to attend or uncomfortable speaking at the hearing but would like to include comments in the record, you may submit comments on this application by mail or email:

ODNR Division of Oil & Gas Resources Management
Unitization Section
2045 Morse Road, F-3
Columbus, Ohio 43229 or via email to unitization@dnr.ohio.gov

Who Filed

APPLICANT:

Proposed Drilling Location

UNIT NAME:

UNIT LOCATION:

Hearing Information

HEARING DATE:

HEARING TIME:

ATTACHMENTS:

SCAN TO JOIN MEETING



DEADLINE FOR COMMENTS

What Happens after the Hearing Is Held?

State law requires that within 60 days after the hearing the Division must issue an order approving or denying the application. All Chief's Orders are posted to the Division's website. The Chief of the Division must issue an order approving unitization if the applicant demonstrates that (1) the operation is reasonably necessary to increase substantially the ultimate recovery of oil and gas; and (2) the value of the estimated additional recovery of oil or gas exceeds the estimated additional cost incident to conducting the operation.

More Information

The Division has authority over the permitting, drilling, operating and plugging of oil and gas wells in Ohio. This authority ensures uniform statewide regulation of oil and gas activities and promotes conservation through the effective development of oil and gas resources for the "unitization" of tracts of lands.

Ohio law, like the laws of many oil and gas producing states, provides a means to combine mineral rights from individual tracts of land to form a drilling unit to efficiently and effectively develop the oil and/or gas resources beneath those tracts. Ohio Revised Code Section 1509.28 is commonly known as Ohio's unitization law.

Unitization is available when the owners of sixty-five percent of the land overlying a pool (or part of a pool) of oil and/or gas apply to the Division to operate the pool (or part of a pool) as a drilling unit.

After receiving a unitization application, the Division reviews it and, if it has been properly submitted, the Division sets a time for a hearing.

After the hearing, the Division considers all testimony presented at the hearing and any written comments received, and then decides if the application should be granted based upon the law. An order is then issued approving or denying the application. If the application is approved, the order establishing the unit will specify the terms and conditions for unit operation on a just and reasonable basis. An order approving the application allows the applicant to drill inside the unit once all other necessary permits have been obtained.

Following an approved application, an applicant may later request an amendment to the order. Amendments to a unit order must be made in the same manner and are subject to the same conditions as the order for unit operations, including that a hearing must be held on the request.

If You Have Questions Regarding Your Interest in the Proposed Unit:

General Information

<https://oilandgas.ohiodnr.gov/unitization>

Unitization@dnr.ohio.gov

(614) 265-6922



Ohio Revised Code 1509.28

Application for Unit Operations

Section 1. Applicant Information *Required*

| | | | | | |
|----------------------|---------------------|-------------------------------------|----|-------|--|
| 1 | Applicant Name: | SWN Production Company, LLC | | | <i>Supplement</i> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 | Mailing Address: | 10000 Energy Drive | | | |
| 3 | City / State / Zip: | Spring | TX | 77389 | |
| 4 | Office Phone: | (346) 443-6432 | | | |
| 5 | Email: | Andrew.Smith@expandenergy.com | | | |
| 6 | Landman Name: | Andrew Smith | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 | Mailing Address: | 10000 Energy Drive | | | |
| 8 | City / State / Zip: | Spring | TX | 77389 | |
| 9 | Office Phone: | (346) 443-6432 | | | |
| 10 | Email: | Andrew.Smith@expandenergy.com | | | |
| <i>If applicable</i> | | | | | |
| 11 | Attorney Name: | Mark A. Hylton | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 12 | Firm Name: | Vorys, Sater, Seymour and Pease LLP | | | |
| 13 | Mailing Address: | 52 East Gay Street | | | |
| 14 | City / State / Zip: | Columbus | OH | 43215 | |
| 15 | Office Phone: | (614) 464-6303 | | | |
| 16 | Email: | mahylton@vorys.com | | | |

Section 2. Unit Information *Required*

| | | | | | |
|---|--|---|--|--|---|
| 1 | Unit Name: | Randall E-M Unit | | | <i>Supplement</i> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 | Unit Location: <i>Include all counties and townships</i> | Green, Lee, and Ohio Townships, Monroe County, Ohio | | | |
| 3 | Number of Tracts: | 56 | | | |
| 4 | Total Unit Area: <i>In acres</i> | 505.937 acres | | | |
| 5 | (a) Number of Proposed Wells: (b) Number of Existing Permitted & Drilled Wells: <i>Please identify by API Number and Well Name.</i> | One N/A | | | |

Section 2 Unit Information - continued

6 Identification of the proposed pool or part of a pool:

Top of the Middlesex formation down to the top of the Onondaga Limestone formation

Supplement

| | | | |
|--------------------------|-----|-------------------------------------|----|
| <input type="checkbox"/> | YES | <input checked="" type="checkbox"/> | NO |
|--------------------------|-----|-------------------------------------|----|

7 Is this a request to amend an order for unit operations?

8 If yes to question 7, explain why the request for amendment is being submitted:

9 If yes to question 7, please identify the Chief's Order to be amended:

10 Is the applicant the owner, or have the consent of the owner(s), (as defined in R.C. 1509.01 (K)) of at least 65% of the land overlying the pool or part of a pool that is the subject of the unitization request?

11 If yes to question 10, what is the total acreage applicant is the owner of, and has the consent of the owner(s) of, in the proposed unit?

435.156 acres

12 If 70% or less of the acreage in the proposed unit is consenting acreage in the unit, identify the method that was used to determine the area:

| | | | | | |
|--------------------------|--------|--------------------------|--------|-------------------------------------|-----|
| <input type="checkbox"/> | GPS | <input type="checkbox"/> | Survey | <input checked="" type="checkbox"/> | N/A |
| <input type="checkbox"/> | Other: | | | | |

13 Does the unit include mineral interest owned by the State of Ohio?

If so, indicate the state agency(ies) that own the mineral interest. If the state agency is unknown, list "unknown."

| | | | |
|--------------------------|-----|-------------------------------------|----|
| <input type="checkbox"/> | YES | <input checked="" type="checkbox"/> | NO |
|--------------------------|-----|-------------------------------------|----|

Section 3. Exhibits Required

Exhibit A A list identifying all mineral owners in the proposed unit, leased or unleased, including all working interest owners, in PDF and Excel format

Supplement

Exhibit B A plat map of the unit, identifying the counties, townships, section numbers, parcel boundaries, and all parcels in the unit, including the tract and corresponding parcel number

Exhibit C A list identifying all parcels subject to pending ownership litigation or potential adverse ownership claims

Exhibit D A color-coded map

Exhibit E Gamma Ray Density or Gamma Ray resistivity geophysical type log
Optional only for requests to amend orders for unit operations

Exhibit F Cross-Section Location Map
Optional only for requests to amend orders for unit operations

Exhibit G Leasing Efforts & Affidavit of Leasing Efforts

Exhibit H Owner List for Notice Purposes

Supplement

Section 4. Mailing List (Excel) Required

Section 5. Economic Calculation Summaries Required

Unitized Scenario

| Well Name | Lateral Length (ft) | Measured Depth (ft) | Operating Costs (MM\$) | Capital Costs (MM\$) | Undiscounted Value of Estimated Recovery (MM\$) | PV0 (MM\$) | PV10 (MM\$) | Estimated Gross Recovery (BCFe) | Supplement |
|---------------------|---------------------|---------------------|------------------------|----------------------|---|------------|-------------|---------------------------------|--------------------------|
| Randall E-M MNR 4HM | 24,529 | 31,528 | \$22.5 | \$18.4 | \$95.6 | \$52.6 | \$18.4 | 20.9 | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| Total: | 24,529 | 31,528 | \$22.5 | \$18.4 | \$95.6 | \$52.6 | \$18.4 | 20.9 | <input type="checkbox"/> |

Non-Unitized Scenario

| Well Name | Lateral Length (ft) | Measured Depth (ft) | Operating Costs (MM\$) | Capital Costs (MM\$) | Undiscounted Value of Estimated Recovery (MM\$) | PV0 (MM\$) | PV10 (MM\$) | Estimated Gross Recovery (BCFe) | Supplement |
|---------------------|---------------------|---------------------|------------------------|----------------------|---|------------|-------------|---------------------------------|--------------------------|
| Randall E-M MNR 4HM | 2,234 | 9,153 | \$3.2 | \$8.2 | \$7.7 | \$(3.9) | \$(5.0) | 1.7 | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| Total: | 2,234 | 9,153 | \$3.2 | \$8.2 | \$7.7 | \$(3.9) | \$(5.0) | 1.7 | <input type="checkbox"/> |

Difference

| Well Name | Lateral Length (ft) | Measured Depth (ft) | Operating Costs (MM\$) | Capital Costs (MM\$) | Undiscounted Value of Estimated Recovery (MM\$) | PV0 (MM\$) | PV10 (MM\$) | Estimated Gross Recovery (BCFe) | Supplement |
|---------------------|---------------------|---------------------|------------------------|----------------------|---|------------|-------------|---------------------------------|--------------------------|
| Randall E-M MNR 4HM | 22,295 | 22,375 | \$19.3 | \$10.2 | \$87.9 | \$56.5 | \$23.4 | 19.2 | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| | | | | | | | | | <input type="checkbox"/> |
| Total: | 22,295 | 22,375 | \$19.3 | \$10.2 | \$87.9 | \$56.5 | \$23.4 | 19.2 | <input type="checkbox"/> |

Section 6. Attachments Required

Working Interest Approvals Form(s)

Supplement

Applicant's Operating Agreement

Affidavit of Operating Agreement (*if applicable*)

Georeferenced File

Optional only for requests to amend orders for unit operations

Section 7. Attestation Required

If this is the original application or a request to amend an order for unit operations, submit Attestation A.

Attestation A

I, Andrew Smith (NAME) on behalf of SWN Production Company, LLC (APPLICANT) am competent and authorized to testify on the matters contained in this affidavit and application.

Pursuant to Ohio Revised Code 1509.28, Applicant files this application with the Chief of the Division of Oil and Gas Resources Management (DOGRM) requesting an order authorizing unit operations or to amend an order for unit operations as indicated above and in the attachments to this application.

As of the date this application is signed, Applicant is the owner, or has the consent of the owner, as that term is defined in Ohio Revised Code 1509.01(K), of at least 65% of the land overlying the pool or part of a pool that is the subject of the unitization request.

Further, Applicant has exercised reasonable due diligence in their efforts to identify and locate all mineral interest owners within the proposed unit and ascertain their current addresses prior to filing this application with DOGRM.

These efforts included:

List as applicable: Performing title work, court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc.

performing title work, including reviewing court, birth, marriage, and death records and county auditor tax records, and utilizing electronic resources (e.g., telephone and address listings, heirship research).

Where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing.

To the best of Applicant's knowledge and belief, the names and addresses of mineral interest owners it provided with this application are accurate. I understand the DOGRM relies on the statements and representations contained in this application to process this application. Nothing in this application constitutes a waiver of right in law or equity by DOGRM or Applicant.

My signature below certifies that the information provided is true and accurate to the best of my knowledge, under penalty of law.



SIGNATURE

ANDREW SMITH

LANDMAN

TITLE

STATE OF

TEXAS

COUNTY OF

HARRIS

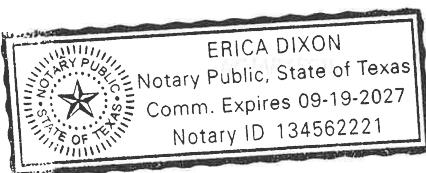
Sworn to before me and subscribed in my presence on this

12th day of May, 20 25, YEAR



NOTARY PUBLIC

My commission expires 9/19/2027.



Section 7. Attestation Required

If this is a supplement to the original application or to a request to amend an order for unit operations, submit Attestation B.

Attestation B - Supplement

I _____ (NAME) on behalf of _____ (APPLICANT) am competent and authorized to testify on the matters contained in this affidavit and supplemental application.

Pursuant to Ohio Revised Code 1509.28, Applicant files this supplemental application with the Chief of the Division of Oil and Gas Resources Management (DOGRM) requesting an order authorizing unit operations or to amend an order for unit operations as indicated above and in the attachments to this supplemental application.

As of the date this supplemental application is signed, Applicant is the owner, or has consent of the owner, as that term is defined in Ohio Revised Code 1509.01(K), of at least 65% of the land overlying the pool or part of a pool that is the subject of the unitization request.

Further, Applicant has exercised reasonable due diligence in their efforts to identify and locate all mineral interest owners within the proposed unit and ascertain their current addresses prior to filing this supplemental application with DOGRM.

These efforts included:

List as applicable: Performing title work, court records, reviewing marriage and birth records, death records, searching county auditor tax records, searching records maintained by the United States Postal Service, utilizing electronic resources, etc.

Where it was not reasonably possible or practicable to identify all of mineral interest owners' identities or addresses, Applicant will provide notice by publication of a hearing.

To the best of Applicant's knowledge and belief, the names and addresses of mineral interest owners it provided with this supplemental application are accurate. I understand the DOGRM relies on the statements and representations contained in this supplemental application to process this application. Nothing in this supplemental application constitutes a waiver of right in law or equity by DOGRM or Applicant.

My signature below certifies that the information provided is true and accurate to the best of my knowledge, under penalty of law.

| | | |
|-----------------------|------------|-------|
| SIGNATURE | PRINT NAME | TITLE |
| STATE OF COUNTY OF | | |

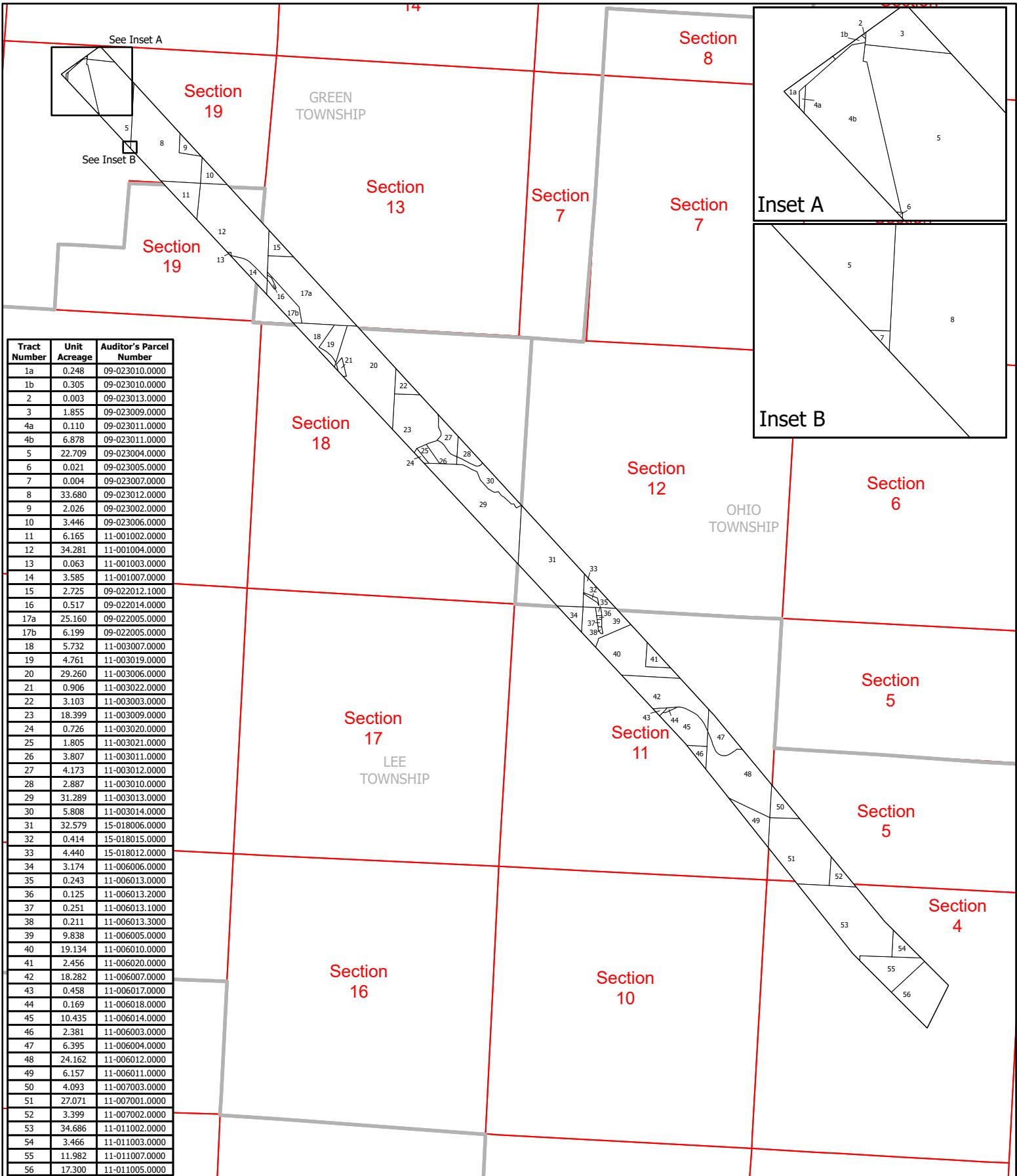
Sworn to before me and subscribed in my presence on this

_____ day of _____, 20_____.
MONTH YEAR

NOTARY SEAL

NOTARY PUBLIC

My commission expires _____.



0 2,000 4,000 Feet

1 inch = 2,500 feet



EXHIBIT B

Unit Size: 505.937 Acres

Green, Lee, and Ohio Townships, Monroe County OH

Randall E-M Unit

| | |
|--|-----------------|
| | County Boundary |
| | Unit Boundary |
| | Section Lines |

Exhibit H - Randall E-M Unit

| Mineral Owners | | | | |
|---|-----------------------------|----------------------------|---------------------------------|--|
| Name | Leased Yes or No | Tract Number(s) | Tax Map Parcel ID(s) | Surface Acres in Unit (Net) |
| Annette Wills | Yes | 23 | 11-003009.0000 | 0.028 |
| Becky Lyn Butler | Yes | 33 | 15-018012.0000 | 1.110 |
| Board of Trustees of Lee Township | Yes | 36 | 11-006013.2000 | 0.125 |
| ATTN: John Pyles, President | Yes | 37 | 11-006013.1000 | 0.251 |
| | Yes | 38 | 11-006013.3000 | 0.211 |
| Bob Kaufman | Yes | 23 | 11-003009.0000 | 0.110 |
| Bonnie L. Gossett | Yes | 33 | 15-018012.0000 | 1.110 |
| Bounty Minerals, LLC | Yes | 30 | 11-003014.0000 | 5.808 |
| ATTN: Tracie R. Palmer, President | | | | |
| Carlene Whittaker Hess (NPRI) | Yes | 17a | 09-022005.0000 | 25.160 |
| Cathy J. Zimmerman | Yes | 51 | 11-007001.0000 | 6.768 |
| Chad Heil (NPRI) | Yes | 17a | 09-022005.0000 | 25.160 |
| Chris L. Starr | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 3 | 09-023009.0000 | 0.010 |
| | Yes | 4a | 09-023011.0000 | 0.002 |
| | Yes | 4b | 09-023011.0000 | 0.036 |
| | Yes | 5 | 09-023004.0000 | 0.118 |
| | Yes | 6 | 09-023005.0000 | 0.0003 |
| Connie Jo Lehman | Yes | 52 | 11-007002.0000 | 1.275 |
| | Yes | 53 | 11-011002.0000 | 13.007 |
| Crash Farms, LLC | Yes | 22 | 11-003003.0000 | 3.103 |
| ATTN: Stanley A. Stalder, Member, and Marcia Stalder, Member | Yes | 27 | 11-003012.0000 | 4.173 |
| | Yes | 28 | 11-003010.0000 | 2.887 |
| Dana Kerrigan | Yes | 23 | 11-003009.0000 | 0.407 |
| Dana Ray Foutz | Yes | 23 | 11-003009.0000 | 0.032 |
| Deborah A. Neuhart (NPRI) | Yes | 17a | 09-022005.0000 | 25.160 |
| Deborah Bannerman | Yes | 29 | 11-003013.0000 | 6.258 |
| Denise Callaghan | Yes | 29 | 11-003013.0000 | 12.516 |
| Dennis A. Dietrich | Yes | 39 | 11-006005.0000 | 9.838 |
| Donald G. Yarman | Yes | 29 | 11-003013.0000 | 6.258 |
| Donald Johnson | No | 23 | 11-003009.0000 | 0.043 |
| Donna Dean Crist | Yes | 23 | 11-003009.0000 | 0.438 |
| Douglas Billman | Yes | 23 | 11-003009.0000 | 0.487 |
| Edward Foutz | No | 23 | 11-003009.0000 | 0.032 |
| Garth Maibach | Yes | 43 | 11-006017.0000 | 0.458 |
| Gateway Royalty IV, LLC | Yes | 11 | 11-001002.0000 | 6.165 |
| ATTN: Chris Oldham, President | | | | |
| Gateway Royalty V, LLC | Yes | 46 | 11-006003.0000 | 2.381 |
| ATTN: Chris Oldham, President | | | | |
| Gauding Family Farm, LLC | Yes | 47 | 11-006004.0000 | 6.395 |
| ATTN: Betty J. Gauding | | | | |
| Homer Daniel Rufener | Yes | 4a | 09-023011.0000 | 0.083 |
| | Yes | 4b | 09-023011.0000 | 6.448 |
| Jacqueline Barr | Yes | 23 | 11-003009.0000 | 0.272 |
| James Bunin | No | 23 | 11-003009.0000 | 0.146 |
| James Kaufman | Yes | 23 | 11-003009.0000 | 0.714 |
| James Schaff | Yes | 23 | 11-003009.0000 | 0.219 |
| Jane Louise Hughes | Yes | 23 | 11-003009.0000 | 0.272 |
| Janet S. Wade | Yes | 13 | 11-001003.0000 | 0.063 |
| Jason E. Williamson | Yes | 1a | 09-023010.0000 | 0.041 |
| | Yes | 1b | 09-023010.0000 | 0.013 |
| | Yes | 2 | 09-023013.0000 | 0.0001 |
| | Yes | 3 | 09-023009.0000 | 0.077 |
| | Yes | 4a | 09-023011.0000 | 0.014 |
| | Yes | 4b | 09-023011.0000 | 0.287 |
| | Yes | 5 | 09-023004.0000 | 0.946 |
| | Yes | 6 | 09-023005.0000 | 0.003 |
| Jean Louise Austin | Yes | 23 | 11-003009.0000 | 0.146 |
| Jeffrey P. Morrow | Yes | 1a | 09-023010.0000 | 0.093 |
| | Yes | 1b | 09-023010.0000 | 0.143 |
| Jeremey R. Tustin | Yes | 44 | 11-006018.0000 | 0.169 |
| | Yes | 45 | 11-006014.0000 | 10.435 |
| Jobe Mathew Stapp (NPRI) | Yes | 17a | 09-022005.0000 | 25.160 |
| John Foutz, Jr. | Yes | 23 | 11-003009.0000 | 0.032 |
| John J. Fernau and Wendy Rufener Fernau | Yes | 7 | 09-023007.0000 | 0.004 |
| | Yes | 8 | 09-023012.0000 | 33.680 |
| John J. Kaufman, Trustee of the Brian R. Kaufman Wholly Discretionary Trust | Yes | 23 | 11-003009.0000 | 0.487 |

| | | | | |
|---|-----|-----|----------------|---------|
| John J. Kaufman, Trustee of the John J. Kaufman and Nancy L. Kaufman Revocable Trust | Yes | 23 | 11-003009.0000 | 0.487 |
| John S. Rufener and Kimberly M. Rufener | Yes | 2 | 09-023013.0000 | 0.003 |
| Jozelle Ward | Yes | 23 | 11-003009.0000 | 0.028 |
| Judy Cutler | Yes | 23 | 11-003009.0000 | 0.110 |
| Judy Twinem | Yes | 55 | 11-011007.0000 | 11.982 |
| Judy Williams | Yes | 23 | 11-003009.0000 | 0.014 |
| Julianne Joy Clark | Yes | 23 | 11-003009.0000 | 0.407 |
| Katherine Gale Stapp (NPRI) | Yes | 17a | 09-022005.0000 | 25.160 |
| Kathy J. Kaufman Miller and James E. Miller | Yes | 23 | 11-003009.0000 | 0.487 |
| Keith Eisenbarth | Yes | 32 | 15-018015.0000 | 0.414 |
| Keith Schrader | Yes | 23 | 11-003009.0000 | 0.407 |
| Kenny Kaufman | Yes | 23 | 11-003009.0000 | 0.110 |
| Kimberly Lynn Ferrise | Yes | 23 | 11-003009.0000 | 1.460 |
| Krystal Castle | Yes | 29 | 11-003013.0000 | 6.258 |
| Leland D. Eisenbarth and Keith Eisenbarth | Yes | 31 | 15-018006.0000 | 32.579 |
| | Yes | 34 | 11-006006.0000 | 3.174 |
| Leo D. Starr | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 3 | 09-023009.0000 | 0.010 |
| | Yes | 4a | 09-023011.0000 | 0.002 |
| | Yes | 4b | 09-023011.0000 | 0.036 |
| | Yes | 5 | 09-023004.0000 | 0.118 |
| | Yes | 6 | 09-023005.0000 | 0.0003 |
| LL&B Headwater II, LP ATTN: Gordon Deen, CEO | Yes | 6 | 09-023005.0000 | 0.016 |
| Lois Starr | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 3 | 09-023009.0000 | 0.010 |
| | Yes | 4a | 09-023011.0000 | 0.002 |
| | Yes | 4b | 09-023011.0000 | 0.036 |
| | Yes | 5 | 09-023004.0000 | 0.118 |
| | Yes | 6 | 09-023005.0000 | 0.0003 |
| Mary Lipstate | Yes | 23 | 11-003009.0000 | 1.221 |
| Mary Louise McKisson | Yes | 23 | 11-003009.0000 | 1.971 |
| Michael Aaron Driggs | Yes | 24 | 11-003020.0000 | 0.726 |
| Michelle R. Driggs | Yes | 25 | 11-003021.0000 | 1.805 |
| Mike Green | No | 23 | 11-003009.0000 | 0.085 |
| Monica Burleson, a/k/a Mary Monica Burleson | No | 23 | 11-003009.0000 | 0.043 |
| Nelson Kindall (NPRI) | Yes | 17a | 09-022005.0000 | 25.160 |
| Nora M. Nichols | Yes | 42 | 11-006007.0000 | 18.282 |
| Pandora J. Neuhart Revocable Living Trust dated September 27, 2016 (NPRI) ATTN: Pandora J. Neuhart | Yes | 17a | 09-022005.0000 | 25.160 |
| Phillip J. Percel and Jane E. Percel | Yes | 9 | 09-023002.0000 | 2.026 |
| Priscilla Sprang | Yes | 23 | 11-003009.0000 | 0.973 |
| Rebecca Rufener Morrow | Yes | 1a | 09-023010.0000 | 0.093 |
| | Yes | 1b | 09-023010.0000 | 0.143 |
| Richard Melvin Butler | Yes | 33 | 15-018012.0000 | 1.110 |
| Richard Schaff | Yes | 23 | 11-003009.0000 | 0.219 |
| Richard Ward | Yes | 23 | 11-003009.0000 | 0.028 |
| Riggenbach Family Farm, LLC ATTN: Wayne D. Riggenbach, Managing Director | Yes | 54 | 11-011003.0000 | 3.466 |
| Rita Ann Young | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 3 | 09-023009.0000 | 0.010 |
| | Yes | 4a | 09-023011.0000 | 0.002 |
| | Yes | 4b | 09-023011.0000 | 0.036 |
| | Yes | 5 | 09-023004.0000 | 0.118 |
| | Yes | 6 | 09-023005.0000 | 0.0003 |
| Rodney Carlton | No | 23 | 11-003009.0000 | 0.014 |
| Ronald Alan Longwell and Vickie Leigh Longwell, Co-Trustees of the Longwell Family Trust, dated October 18, 2021 | Yes | 20 | 11-003006.0000 | 29.260 |
| Roselin Coxey | Yes | 23 | 11-003009.0000 | 0.407 |
| Ross Peter Mayo | Yes | 23 | 11-003009.0000 | 0.407 |
| Russell Carlton | No | 23 | 11-003009.0000 | 0.014 |
| Salem United Church of Christ Cemetery Association, successor in interest to the Evangelist Presbyterian Church ATTN: Dennis Dietrich, President | Yes | 35 | 11-006013.0000 | 0.243 |
| Scott Lehman | Yes | 52 | 11-007002.0000 | 1.275 |
| | Yes | 53 | 11-011002.0000 | 13.007 |
| Scott Lehman and Connie Jo Lehman, Co-Trustees of the Lehman Family Revocable Family Trust | Yes | 52 | 11-007002.0000 | 0.425 |
| | Yes | 53 | 11-011002.0000 | 4.336 |

| | | | | |
|--|-----|-----|----------------|--------|
| Shannon Huffman | Yes | 21 | 11-003022.0000 | 0.906 |
| Shannon Kay Slusser | Yes | 23 | 11-003009.0000 | 0.272 |
| Shannon Lewis | Yes | 23 | 11-003009.0000 | 0.014 |
| Sheleta Lewis | Yes | 23 | 11-003009.0000 | 0.014 |
| Stephen E. Rufener | Yes | 3 | 09-023009.0000 | 1.739 |
| | Yes | 5 | 09-023004.0000 | 21.290 |
| Susan Roderick | Yes | 23 | 11-003009.0000 | 0.272 |
| Swiss Ridge 1855 LLC | Yes | 10 | 09-023006.0000 | 3.446 |
| ATTN: Dean and Emma J. Rufener, Managers | Yes | 12 | 11-001004.0000 | 34.281 |
| | Yes | 14 | 11-001007.0000 | 3.585 |
| | Yes | 15 | 09-022012.1000 | 2.725 |
| | Yes | 16 | 09-022014.0000 | 0.517 |
| | Yes | 17a | 09-022005.0000 | 25.160 |
| | Yes | 17b | 09-022005.0000 | 6.199 |
| | Yes | 18 | 11-003007.0000 | 5.732 |
| | Yes | 19 | 11-003019.0000 | 4.761 |
| Tammie K. Shreve | Yes | 52 | 11-007002.0000 | 0.425 |
| | Yes | 53 | 11-011002.0000 | 4.336 |
| Thomas Moreland | Yes | 23 | 11-003009.0000 | 3.505 |
| Tom Kaufman | Yes | 23 | 11-003009.0000 | 0.110 |
| Tommy Lewis | Yes | 23 | 11-003009.0000 | 0.014 |
| Unknown Heirs or Assigns of Elizabeth Shaffer Wadsworth (NPRI) | Yes | 49 | 11-006011.0000 | 6.157 |
| Unknown Heirs or Assigns of Harry S. Shaffer, Jr. (NPRI) | Yes | 49 | 11-006011.0000 | 6.157 |
| Unknown Heirs or Assigns of Jacob Albert Yoss, Jr. (NPRI) | Yes | 30 | 11-003014.0000 | 5.808 |
| Unknown Heirs or Assigns of John J. Hinderlong and Annie Hinderlong (NPRI) | Yes | 55 | 11-011007.0000 | 11.982 |
| Unknown Heirs or Assigns of Lauretta Shaffer Bertram (NPRI) | Yes | 49 | 11-006011.0000 | 6.157 |
| Unknown Heirs or Assigns of Marietta M. Stover | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |
| Unknown Heirs or Assigns of Martha Helena Shaffer (NPRI) | Yes | 49 | 11-006011.0000 | 6.157 |
| Unknown Heirs or Assigns of William M. Shaffer (NPRI) | Yes | 49 | 11-006011.0000 | 6.157 |
| Valdemar Prince | Yes | 23 | 11-003009.0000 | 0.272 |
| Vertical Acres, LLC | Yes | 56 | 11-011005.0000 | 17.300 |
| ATTN: Richard Stalder, Stanley Stalder, and Clara B. Stalder, Members | | | | |
| Vine Royalty (YC) L.P. | Yes | 26 | 11-003011.0000 | 0.267 |
| ATTN: Adam R. Cox, Agent | | | | |
| Vine Royalty L.P. | Yes | 26 | 11-003011.0000 | 3.540 |
| ATTN: Adam R. Cox, Agent | | | | |
| Violet Pugh | Yes | 23 | 11-003009.0000 | 0.049 |
| Wallis Metts, Jr. | Yes | 23 | 11-003009.0000 | 0.407 |
| William A. Brake and Miriam I. Brake, Trustees of the Brake Family Revocable Trust of March 18, 2024 | | | | |
| | Yes | 40 | 11-006010.0000 | 19.134 |
| | Yes | 41 | 11-006020.0000 | 2.456 |
| | Yes | 49 | 11-006011.0000 | 6.157 |
| | Yes | 50 | 11-007003.0000 | 4.093 |
| | Yes | 51 | 11-007001.0000 | 20.303 |
| William Dean Grether and Margaret S. Grether | Yes | 48 | 11-006012.0000 | 24.162 |
| William E. Butler, Jr. | Yes | 33 | 15-018012.0000 | 1.110 |
| William Kaufman | No | 23 | 11-003009.0000 | 0.714 |

| Working Interest Owners | | | | |
|-----------------------------|---------------------|--------------------|-------------------------|--------------------------------|
| Name | Leased Yes or No | Tract Number(s) | Tax Map Parcel ID(s) | Surface Acres in Unit (Net) |
| SWN Production Company, LLC | Yes | 1a | 09-023010.0000 | 0.093 |
| ATTN: Andrew Smith | Yes | 1a | 09-023010.0000 | 0.093 |
| | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1a | 09-023010.0000 | 0.041 |
| | Yes | 1a | 09-023010.0000 | 0.005 |
| | Yes | 1b | 09-023010.0000 | 0.143 |
| | Yes | 1b | 09-023010.0000 | 0.143 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 1b | 09-023010.0000 | 0.013 |
| | Yes | 1b | 09-023010.0000 | 0.002 |
| | Yes | 2 | 09-023013.0000 | 0.003 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 2 | 09-023013.0000 | 0.0001 |
| | Yes | 2 | 09-023013.0000 | 0.00002 |
| | Yes | 3 | 09-023009.0000 | 1.739 |

SWN Production Company, LLC [*cont'd*]
 ATTN: Andrew Smith

| | | | |
|-----|-----|----------------|--------|
| Yes | 3 | 09-023009.0000 | 0.010 |
| Yes | 3 | 09-023009.0000 | 0.010 |
| Yes | 3 | 09-023009.0000 | 0.010 |
| Yes | 3 | 09-023009.0000 | 0.077 |
| Yes | 3 | 09-023009.0000 | 0.010 |
| Yes | 4a | 09-023011.0000 | 0.083 |
| Yes | 4a | 09-023011.0000 | 0.002 |
| Yes | 4a | 09-023011.0000 | 0.002 |
| Yes | 4a | 09-023011.0000 | 0.002 |
| Yes | 4a | 09-023011.0000 | 0.036 |
| Yes | 4b | 09-023011.0000 | 0.036 |
| Yes | 4b | 09-023011.0000 | 0.036 |
| Yes | 4b | 09-023011.0000 | 0.036 |
| Yes | 4b | 09-023011.0000 | 0.287 |
| Yes | 4b | 09-023011.0000 | 0.036 |
| Yes | 5 | 09-023004.0000 | 21.290 |
| Yes | 5 | 09-023004.0000 | 0.118 |
| Yes | 5 | 09-023004.0000 | 0.118 |
| Yes | 5 | 09-023004.0000 | 0.118 |
| Yes | 5 | 09-023004.0000 | 0.946 |
| Yes | 5 | 09-023004.0000 | 0.118 |
| Yes | 6 | 09-023005.0000 | 0.0003 |
| Yes | 6 | 09-023005.0000 | 0.0003 |
| Yes | 6 | 09-023005.0000 | 0.0003 |
| Yes | 6 | 09-023005.0000 | 0.003 |
| Yes | 6 | 09-023005.0000 | 0.0003 |
| Yes | 7 | 09-023007.0000 | 0.004 |
| Yes | 8 | 09-023012.0000 | 33.680 |
| Yes | 9 | 09-023002.0000 | 2.026 |
| Yes | 10 | 09-023006.0000 | 3.446 |
| Yes | 12 | 11-001004.0000 | 34.281 |
| Yes | 14 | 11-001007.0000 | 3.585 |
| Yes | 15 | 09-022012.1000 | 2.725 |
| Yes | 16 | 09-022014.0000 | 0.517 |
| Yes | 17a | 09-022005.0000 | 25.160 |
| Yes | 17b | 09-022005.0000 | 6.199 |
| Yes | 18 | 11-003007.0000 | 5.732 |
| Yes | 19 | 11-003019.0000 | 4.761 |
| Yes | 20 | 11-003006.0000 | 29.260 |
| Yes | 21 | 11-003022.0000 | 0.906 |
| Yes | 22 | 11-003003.0000 | 3.103 |
| Yes | 23 | 11-003009.0000 | 0.272 |
| Yes | 23 | 11-003009.0000 | 0.407 |
| Yes | 23 | 11-003009.0000 | 0.110 |
| Yes | 23 | 11-003009.0000 | 0.407 |
| Yes | 23 | 11-003009.0000 | 0.014 |
| Yes | 23 | 11-003009.0000 | 1.221 |
| Yes | 23 | 11-003009.0000 | 0.407 |
| Yes | 23 | 11-003009.0000 | 0.272 |
| Yes | 23 | 11-003009.0000 | 0.272 |
| Yes | 23 | 11-003009.0000 | 0.407 |
| Yes | 23 | 11-003009.0000 | 0.407 |
| Yes | 24 | 11-003020.0000 | 0.726 |
| Yes | 25 | 11-003021.0000 | 1.805 |
| Yes | 26 | 11-003011.0000 | 3.540 |
| Yes | 26 | 11-003011.0000 | 0.267 |
| Yes | 27 | 11-003012.0000 | 4.173 |
| Yes | 28 | 11-003010.0000 | 2.887 |
| Yes | 30 | 11-003014.0000 | 5.808 |
| Yes | 31 | 15-018006.0000 | 32.579 |
| Yes | 33 | 15-018012.0000 | 1.110 |
| Yes | 33 | 15-018012.0000 | 1.110 |
| Yes | 33 | 15-018012.0000 | 1.110 |
| Yes | 35 | 11-006013.0000 | 0.243 |
| Yes | 36 | 11-006013.2000 | 0.125 |
| Yes | 37 | 11-006013.1000 | 0.251 |
| Yes | 38 | 11-006013.3000 | 0.211 |
| Yes | 39 | 11-006005.0000 | 9.838 |
| Yes | 40 | 11-006010.0000 | 19.134 |
| Yes | 41 | 11-006020.0000 | 2.456 |

SWN Production Company, LLC [*cont'd*]
 ATTN: Andrew Smith

| | | | |
|-----|----|----------------|--------|
| Yes | 42 | 11-006007.0000 | 18.282 |
| Yes | 43 | 11-006017.0000 | 0.458 |
| Yes | 44 | 11-006018.0000 | 0.169 |
| Yes | 45 | 11-006014.0000 | 10.435 |
| Yes | 46 | 11-006003.0000 | 2.381 |
| Yes | 47 | 11-006004.0000 | 6.395 |
| Yes | 48 | 11-006012.0000 | 24.162 |
| Yes | 49 | 11-006011.0000 | 6.157 |
| Yes | 50 | 11-007003.0000 | 4.093 |
| Yes | 51 | 11-007001.0000 | 20.303 |
| Yes | 51 | 11-007001.0000 | 6.768 |
| Yes | 52 | 11-007002.0000 | 1.275 |
| Yes | 52 | 11-007002.0000 | 1.275 |
| Yes | 52 | 11-007002.0000 | 0.425 |
| Yes | 52 | 11-007002.0000 | 0.425 |
| Yes | 53 | 11-011002.0000 | 13.007 |
| Yes | 53 | 11-011002.0000 | 13.007 |
| Yes | 53 | 11-011002.0000 | 4.336 |
| Yes | 53 | 11-011002.0000 | 4.336 |
| Yes | 56 | 11-011005.0000 | 17.300 |
| Yes | 6 | 09-023005.0000 | 0.016 |
| Yes | 11 | 11-001002.0000 | 6.165 |
| Yes | 13 | 11-001003.0000 | 0.063 |
| Yes | 23 | 11-003009.0000 | 0.146 |
| Yes | 23 | 11-003009.0000 | 0.487 |
| Yes | 23 | 11-003009.0000 | 0.407 |
| Yes | 23 | 11-003009.0000 | 0.438 |
| Yes | 23 | 11-003009.0000 | 1.460 |
| Yes | 23 | 11-003009.0000 | 0.032 |
| Yes | 23 | 11-003009.0000 | 0.032 |
| Yes | 23 | 11-003009.0000 | 0.272 |
| Yes | 23 | 11-003009.0000 | 0.110 |
| Yes | 23 | 11-003009.0000 | 0.110 |
| Yes | 23 | 11-003009.0000 | 0.110 |
| Yes | 23 | 11-003009.0000 | 0.714 |
| Yes | 23 | 11-003009.0000 | 0.487 |
| Yes | 23 | 11-003009.0000 | 0.487 |
| Yes | 23 | 11-003009.0000 | 0.014 |
| Yes | 23 | 11-003009.0000 | 0.014 |
| Yes | 23 | 11-003009.0000 | 1.971 |
| Yes | 23 | 11-003009.0000 | 0.487 |
| Yes | 23 | 11-003009.0000 | 3.505 |
| Yes | 23 | 11-003009.0000 | 0.049 |
| Yes | 23 | 11-003009.0000 | 0.219 |
| Yes | 23 | 11-003009.0000 | 0.219 |
| Yes | 23 | 11-003009.0000 | 0.272 |
| Yes | 23 | 11-003009.0000 | 0.973 |
| Yes | 23 | 11-003009.0000 | 0.028 |
| Yes | 23 | 11-003009.0000 | 0.028 |
| Yes | 23 | 11-003009.0000 | 0.014 |
| Yes | 23 | 11-003009.0000 | 0.028 |
| Yes | 29 | 11-003013.0000 | 6.258 |
| Yes | 29 | 11-003013.0000 | 12.516 |
| Yes | 29 | 11-003013.0000 | 6.258 |
| Yes | 29 | 11-003013.0000 | 6.258 |
| Yes | 32 | 15-018015.0000 | 0.414 |
| Yes | 34 | 11-006006.0000 | 3.174 |
| Yes | 54 | 11-011003.0000 | 3.466 |
| Yes | 55 | 11-011007.0000 | 11.982 |

Potential Mineral Interest and Working Interest Owners

| Name | Leased Yes or No | Tract Number(s) | Tax Map Parcel ID(s) | Potential Surface Acres in Unit (Net) |
|---|---------------------|--------------------|-------------------------|---|
| Charles W. Haney | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |
| Colin Stevens | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |
| Donald Earl Wagner and Pamelia Wagner, husband and wife | Yes | 4a | 09-023011.0000 | 0.007 |
| | Yes | 6 | 09-023005.0000 | 0.001 |
| Gail Elizabeth Smith | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |

| | | | | |
|---|-----|----|----------------|-------|
| George F. Fithen, IV | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |
| Jennifer A. Stevens | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |
| Judith G. Consentino, widow | Yes | 4a | 09-023011.0000 | 0.007 |
| | Yes | 6 | 09-023005.0000 | 0.001 |
| Lance George Glaze and Nancy L. Glaze, husband and wife | Yes | 4a | 09-023011.0000 | 0.007 |
| | Yes | 6 | 09-023005.0000 | 0.001 |
| Margaret Smith | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |
| Rebecca G. Vezina, single | Yes | 4a | 09-023011.0000 | 0.007 |
| | Yes | 6 | 09-023005.0000 | 0.001 |
| William Patrick Stevens | No | 4a | 09-023011.0000 | 0.007 |
| | No | 6 | 09-023005.0000 | 0.001 |

NPRI = Non-Participating Royalty Interest