

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

Section 2. Unit Information *Required*

1 Unit Name:	Rufener G-M Unit					Supplement <input type="checkbox"/>	
2 Unit Location: <i>Include all counties and townships</i>	Green, Lee, and Ohio Townships, Monroe County, Ohio						<input type="checkbox"/>
3 Number of Tracts:	39						<input type="checkbox"/>
4 Total Unit Area: <i>In acres</i>	424.035 acres						<input type="checkbox"/>
5 (a) Number of Proposed Wells:	One						<input type="checkbox"/>
(b) Number of Existing Permitted & Drilled Wells: <i>Please identify by API Number and Well Name.</i>	N/A					<input type="checkbox"/>	

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 | <i>Supplement</i> |
| 7 | Is this a request to amend an order for unit operations? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | <input type="checkbox"/> |
| 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? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <input type="checkbox"/> |
| 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? | 279.122 acres | <input type="checkbox"/> |
| 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 checked="" type="checkbox"/> Survey <input type="checkbox"/> N/A
<input type="checkbox"/> Other: | <input type="checkbox"/> |
| 13 | Does the unit include mineral interest owned by the State of Ohio?
<i>If so, indicate the state agenc(ies) that own the mineral interest. If the state agency is unknown, list "unknown."</i> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
 | <input type="checkbox"/> |

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 | <i>Supplement</i> |
| 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 | <input type="checkbox"/> |
| Exhibit C | A list identifying all parcels subject to pending ownership litigation or potential adverse ownership claims | <input type="checkbox"/> |
| Exhibit D | A color-coded map | <input type="checkbox"/> |
| Exhibit E | Gamma Ray Density or Gamma Ray resistivity geophysical type log
<i>Optional only for requests to amend orders for unit operations</i> | <input type="checkbox"/> |
| Exhibit F | Cross-Section Location Map
<i>Optional only for requests to amend orders for unit operations</i> | <input type="checkbox"/> |
| Exhibit G | Leasing Efforts & Affidavit of Leasing Efforts | <input type="checkbox"/> |
| Exhibit H | Owner List for Notice Purposes | <input type="checkbox"/> |

Section 4. Mailing List (Excel) Required

Supplement

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
Rufener G-M MNR 16HM	21,029	29,187	\$17.9	\$17.4	\$76.9	\$40.4	\$11.9	17.0	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	21,029	29,187	\$17.9	\$17.4	\$76.9	\$40.4	\$11.9	17.0	<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
Rufener G-M MNR 16HM	1,471	10,461	\$2.1	\$8.4	\$4.4	\$(6.2)	\$(6.2)	1.0	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	1,471	10,461	\$2.1	\$8.4	\$4.4	\$(6.2)	\$(6.2)	1.0	<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
Rufener G-M MNR 16HM	19,558	18,726	\$15.8	\$9.0	\$72.5	\$46.6	\$18.1	16.0	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	19,558	18,726	\$15.8	\$9.0	\$72.5	\$46.6	\$18.1	16.0	<input type="checkbox"/>

Section 6. Attachments *Required*

Working Interest Approvals Form(s)

Applicant's Operating Agreement

Affidavit of Operating Agreement (*if applicable*)

Georeferenced File

Optional only for requests to amend orders for unit operations

Supplement

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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.

	<u>ANDREW SMITH</u>	<u>LANDMAN</u>
SIGNATURE	PRINT NAME	TITLE

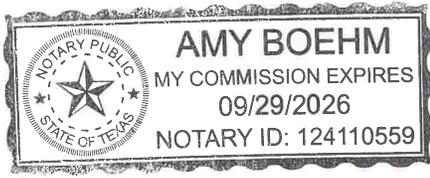
STATE OF TEXAS

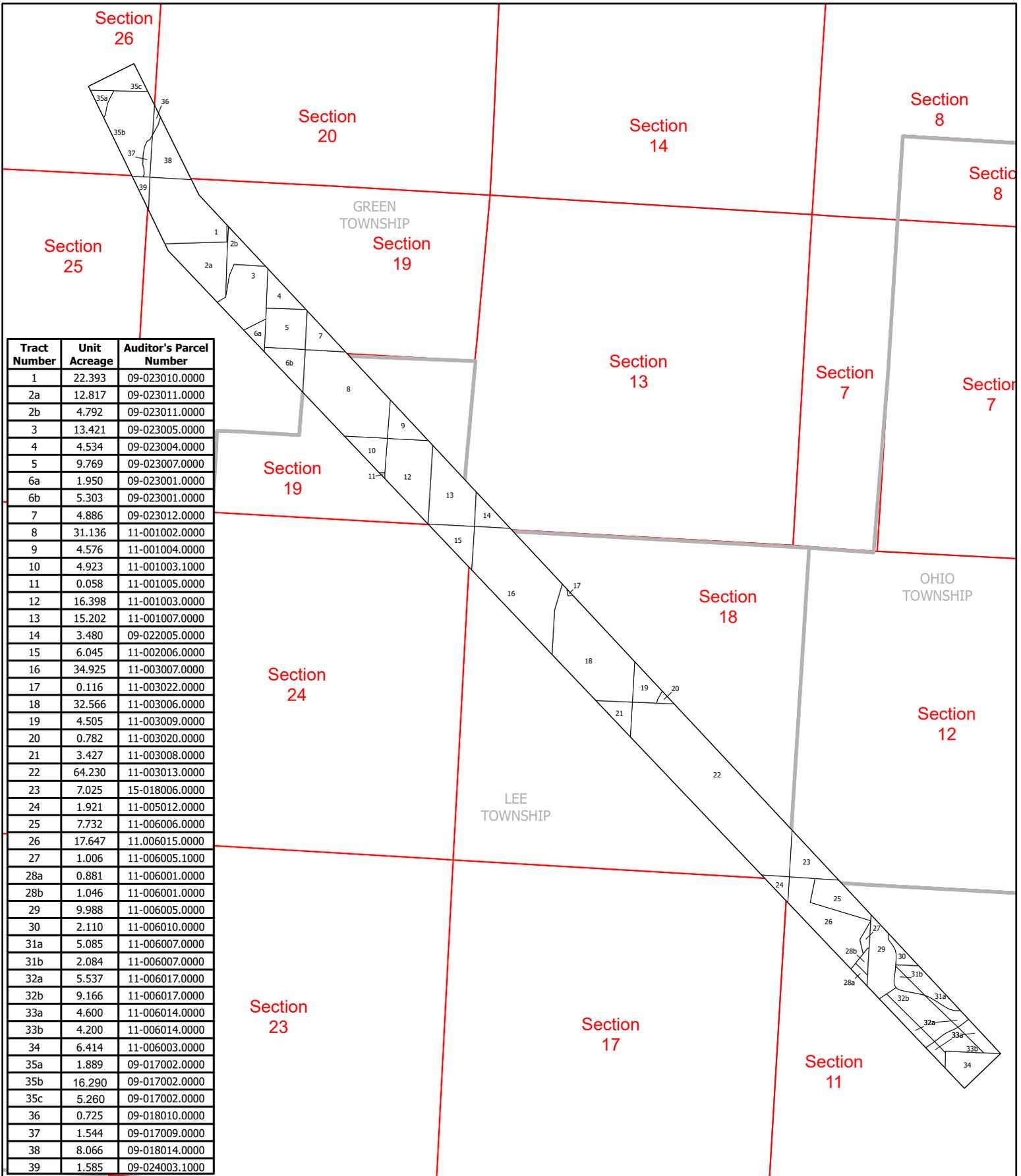
COUNTY OF HARRIS

Sworn to before me and subscribed in my presence on this 21st day of July, 2025.
MONTH YEAR

[Signature]
NOTARY PUBLIC

My commission expires 9/29/2026





0 1,900 3,800 Feet 1 inch = 2,000 feet

EXHIBIT B

Unit Size: 424.035 Acres

Green, Lee, and Ohio Townships, Monroe County OH

Rufener G-M Unit

Exhibit H - Rufener G-M Unit

Mineral Owners

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit (Net)
Alleman Acres, LLC	Yes	6a	09-023001.0000	1.463
ATTN: Janis Alleman	Yes	6b	09-023001.0000	2.652
Annette Wills	Yes	19	11-003009.0000	0.007
Appalachia Minerals, LLC	Yes	11	11-001005.0000	0.029
ATTN: Elyse Wilson, Manager				
Bob Kaufman	Yes	19	11-003009.0000	0.027
Brake Family Revocable Trust of March 18, 2024	Yes	30	11-006010.0000	2.110
ATTN: William A. Brake and Miriam I. Brake, Trustees				
Brian R. Kaufman Wholly Discretionary Trust	Yes	19	11-003009.0000	0.119
ATTN: John J. Kaufman, Trustee				
Charles Michael Green, a/k/a Mike Green	Yes	19	11-003009.0000	0.021
Chris L. Starr	Yes	1	09-023010.0000	0.467
	Yes	2a	09-023011.0000	0.200
	Yes	2b	09-023011.0000	0.025
	Yes	3	09-023005.0000	0.210
	Yes	4	09-023004.0000	0.024
	Yes	6a	09-023001.0000	0.041
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	0.255
	Yes	35c	09-017002.0000	0.082
	Yes	36	09-017002.0000	0.011
	Yes	37	09-017009.0000	0.008
	Yes	38	09-018014.0000	0.042
	Yes	39	09-024003.1000	0.033
Dana Kerrigan	Yes	19	11-003009.0000	0.100
Dana Ray Foutz	Yes	19	11-003009.0000	0.008
Debora Bannerman	Yes	22	11-003013.0000	12.846
	Yes	24	11-005012.0000	0.384
Denise Callaghan	Yes	22	11-003013.0000	25.692
	Yes	24	11-005012.0000	0.768
Dennis A. Dietrich	Yes	26	11-006015.0000	17.647
	Yes	27	11-006005.1000	1.006
	Yes	29	11-006005.0000	9.988
Diego Den Hunt Club Revocable Trust dated October 4, 2002	Yes	21	11-003008.0000	3.427
ATTN: Scott C. Adkins, Trustee				
Donald G. Yarman	Yes	22	11-003013.0000	12.846
	Yes	24	11-005012.0000	0.384
Donald Johnson	No	19	11-003009.0000	0.010
Donna Dean Crist	Yes	19	11-003009.0000	0.107
Douglas Billman	Yes	19	11-003009.0000	0.119
Edward Foutz	No	19	11-003009.0000	0.008
Frye Family Trust	Yes	6b	09-023001.0000	0.442
ATTN: Robert L. Frye and Deborah Frye, Trustees				
Garth Maibach	Yes	32a	11-006017.0000	5.537
	Yes	32b	11-006017.0000	9.166
Gateway Royalty IV, LLC	Yes	8	11-001002.0000	31.136
ATTN: Chris Oldham, President				
Gateway Royalty V, LLC	Yes	34	11-006003.0000	6.414
ATTN: Chris Oldham, President				
Homer Daniel Rufener	Yes	2a	09-023011.0000	9.613
	Yes	2b	09-023011.0000	4.493
James Bunin	No	19	11-003009.0000	0.036
James Daniel Martin (NPRI)	Yes	39	09-024003.1000	1.189
James Kaufman	Yes	19	11-003009.0000	0.175
James Schaff	Yes	19	11-003009.0000	0.054
Jane Louise Hughes	Yes	19	11-003009.0000	0.067
Janet S. Wade	Yes	10	11-001003.1000	4.923
	Yes	12	11-001003.0000	16.398

Jason Williamson	Yes	1	09-023010.0000	3.732
	Yes	2a	09-023011.0000	1.602
	Yes	2b	09-023011.0000	0.200
	Yes	3	09-023005.0000	1.678
	Yes	4	09-023004.0000	0.189
	Yes	6a	09-023001.0000	0.325
	Yes	35a	09-017002.0000	0.236
	Yes	35b	09-017002.0000	2.036
	Yes	35c	09-017002.0000	0.658
	Yes	36	09-017002.0000	0.091
	Yes	37	09-017009.0000	0.064
	Yes	38	09-018014.0000	0.336
	Yes	39	09-024003.1000	0.264
Jean Louise Austin	Yes	19	11-003009.0000	0.036
Jeffrey P. Morrow	Yes	1	09-023010.0000	8.397
	Yes	37	09-017009.0000	0.724
	Yes	38	09-018014.0000	3.781
Jeremy R. Tustin	Yes	28a	11-006001.0000	0.881
	Yes	28b	11-006001.0000	1.046
	Yes	31a	11-006007.0000	5.085
	Yes	31b	11-006007.0000	2.084
	Yes	33a	11-006014.0000	4.600
	Yes	33b	11-006014.0000	4.200
	Yes	19	11-003009.0000	0.008
John Foutz, Jr.	Yes	5	09-023007.0000	9.769
John J. Fernau and Wendy Rufener Fernau, husband and wife	Yes	7	09-023012.0000	4.886
John J. Kaufman and Nancy L. Kaufman Revocable Trust ATTN: John J. Kaufman, Trustee	Yes	19	11-003009.0000	0.119
Jozelle Ward	Yes	19	11-003009.0000	0.007
Judith A. Cutler	Yes	19	11-003009.0000	0.027
Judy Williams	Yes	19	11-003009.0000	0.003
Juliann Joy Clark	Yes	19	11-003009.0000	0.100
Kathy J. Kaufman Miller and James E. Miller	Yes	19	11-003009.0000	0.119
Keith Eisenbarth	Yes	23	15-018006.0000	7.025
	Yes	25	11-006006.0000	7.732
Keith Schrader	Yes	19	11-003009.0000	0.100
Kenny Kaufman	Yes	19	11-003009.0000	0.027
Kimberly Lynn Ferrise	Yes	19	11-003009.0000	0.358
Krystal Castle	Yes	22	11-003013.0000	12.846
	Yes	24	11-005012.0000	0.384
	Yes	1	09-023010.0000	0.467
Leo D. Starr	Yes	2a	09-023011.0000	0.200
	Yes	2b	09-023011.0000	0.025
	Yes	3	09-023005.0000	0.210
	Yes	4	09-023004.0000	0.024
	Yes	6a	09-023001.0000	0.041
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	0.255
	Yes	35c	09-017002.0000	0.082
	Yes	36	09-017002.0000	0.011
	Yes	37	09-017009.0000	0.008
	Yes	38	09-018014.0000	0.042
	Yes	39	09-024003.1000	0.033
	Yes	3	09-023005.0000	10.066
	Yes	11	11-001005.0000	0.029
	Yes	1	09-023010.0000	0.467
	LL&B Headwater II, LP ATTN: Gordon Deen, CEO Lois Starr	Yes	2a	09-023011.0000
Yes		2b	09-023011.0000	0.025
Yes		3	09-023005.0000	0.210
Yes		4	09-023004.0000	0.024
Yes		6a	09-023001.0000	0.041
Yes		35a	09-017002.0000	0.030
Yes		35b	09-017002.0000	0.255
Yes		35c	09-017002.0000	0.082
Yes		36	09-017002.0000	0.011
Yes		37	09-017009.0000	0.008
Yes		38	09-018014.0000	0.042
Yes		39	09-024003.1000	0.033
Yes		18	11-003006.0000	32.566
Longwell Family Trust, dated October 18, 2021 ATTN: Ronald Alan Longwell and Vickie Leigh Longwell, Trustees		Yes	19	11-003009.0000
Mary Louise McKisson	Yes	20	11-003020.0000	0.782
Michael Aaron Driggs	No	19	11-003009.0000	0.010
Monica Burleson, a/k/a Mary Monica Burleson	Yes	39	09-024003.1000	1.189
Nancy Marie Martin (NPRI)	Yes	39	09-024003.1000	1.189

Penni M. Darrah	Yes	39	09-024003.1000	1.189
Priscilla Sprang	Yes	19	11-003009.0000	0.238
Rebecca R. Devier	Yes	35a	09-017002.0000	1.535
	Yes	35b	09-017002.0000	13.236
	Yes	35c	09-017002.0000	4.274
	Yes	36	09-017002.0000	0.589
Rebecca Rufener Morrow	Yes	1	09-023010.0000	8.397
	Yes	37	09-017009.0000	0.724
	Yes	38	09-018014.0000	3.781
Richard Schaff	Yes	19	11-003009.0000	0.054
Richard Ward	Yes	19	11-003009.0000	0.007
Rita Ann Young	Yes	1	09-023010.0000	0.467
	Yes	2a	09-023011.0000	0.200
	Yes	2b	09-023011.0000	0.025
	Yes	3	09-023005.0000	0.210
	Yes	4	09-023004.0000	0.024
	Yes	6a	09-023001.0000	0.041
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	0.255
	Yes	35c	09-017002.0000	0.082
	Yes	36	09-017002.0000	0.011
	Yes	37	09-017009.0000	0.008
	Yes	38	09-018014.0000	0.042
	Yes	39	09-024003.1000	0.033
	Robert Stanley Martin, II (NPRI)	Yes	39	09-024003.1000
Rodney Carlton	No	19	11-003009.0000	0.003
Roselin Coxey	Yes	19	11-003009.0000	0.100
Ross Peter Mayo	Yes	19	11-003009.0000	0.100
Russell Carlton	No	19	11-003009.0000	0.003
Shannon Huffman	Yes	17	11-003022.0000	0.116
Shannon Kay Slusser	Yes	19	11-003009.0000	0.067
Shannon Lewis	Yes	19	11-003009.0000	0.003
Sheleta Lewis	Yes	19	11-003009.0000	0.003
Stacy Kukura	Yes	6b	09-023001.0000	0.442
Stephen E. Rufener	Yes	4	09-023004.0000	4.251
Susan Roderick	Yes	19	11-003009.0000	0.067
Swiss Ridge 1855 LLC ATTN: Dean and Emma J. Rufener, Managers	Yes	9	11-001004.0000	4.576
	Yes	13	11-001007.0000	15.202
	Yes	14	09-022005.0000	3.480
	Yes	15	11-002006.0000	6.045
	Yes	16	11-003007.0000	34.925
Thomas Moreland	Yes	19	11-003009.0000	0.858
Tom Kaufman	Yes	19	11-003009.0000	0.027
Tommy Lewis	Yes	19	11-003009.0000	0.003
Unknown Heirs or Assigns of A. F. Workman and Sarah Workman (NPRI)	Yes	35b	09-017002.0000	13.236
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	2.036
	Yes	35b	09-017002.0000	0.255
	Yes	35c	09-017002.0000	4.274
	Yes	35c	09-017002.0000	0.082
	Yes	35c	09-017002.0000	0.082
	Yes	35c	09-017002.0000	0.082
	Yes	35c	09-017002.0000	0.658
	Yes	35c	09-017002.0000	0.082
	Yes	36	09-017002.0000	0.589
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.091
	Yes	36	09-017002.0000	0.011
Unknown Heirs or Assigns of Bernard K. Martin (NPRI)	Yes	39	09-024003.1000	1.189
Unknown Heirs or Assigns of Caroline Tubaugh (NPRI)	Yes	11	11-001005.0000	0.029
	Yes	11	11-001005.0000	0.029

Unknown Heirs or Assigns of F. E. Olmstead (NPRI)	Yes	35a	09-017002.0000	1.535
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.236
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	13.236
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	2.036
	Yes	35b	09-017002.0000	0.255
	Yes	36	09-017002.0000	0.589
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Unknown Heirs or Assigns of Geo. D. Harvey (NPRI)	Yes	35a	09-017002.0000
Yes		35a	09-017002.0000	0.030
Yes		35a	09-017002.0000	0.030
Yes		35a	09-017002.0000	0.030
Yes		35a	09-017002.0000	0.236
Yes		35a	09-017002.0000	0.030
Yes		35b	09-017002.0000	13.236
Yes		35b	09-017002.0000	0.255
Yes		35b	09-017002.0000	0.255
Yes		35b	09-017002.0000	0.255
Yes		35b	09-017002.0000	2.036
Yes		35b	09-017002.0000	0.255
Yes		36	09-017002.0000	0.589
Yes		36	09-017002.0000	0.011
Yes		36	09-017002.0000	0.011
Yes		36	09-017002.0000	0.011
Unknown Heirs or Assigns of Henry R. Tubaugh (NPRI)		Yes	10	11-001003.1000
Unknown Heirs or Assigns of I. Isenberg (NPRI)	Yes	35a	09-017002.0000	1.535
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.236
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	13.236
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	2.036
	Yes	35b	09-017002.0000	0.255
	Yes	36	09-017002.0000	0.589
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Unknown Heirs or Assigns of Jacqueline Barr	Yes	19	11-003009.0000
Unknown Heirs or Assigns of Lem. A. Wells (NPRI)	Yes	35a	09-017002.0000	1.535
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.236
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	13.236
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	2.036
	Yes	35b	09-017002.0000	0.255
	Yes	36	09-017002.0000	0.589
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.091
Yes	36	09-017002.0000	0.011	

Unknown Heirs or Assigns of Marietta M. Stover	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Unknown Heirs or Assigns of Mary Lipstate	Yes	19	11-003009.0000	0.299
Unknown Heirs or Assigns of Roy A. Vetter	No	6b	09-023001.0000	0.884
Unknown Heirs or Assigns of Ruth Ann Price a/k/a Ruth Ann Whaley (NPRI)	Yes	39	09-024003.1000	1.189
Unknown Heirs or Assigns of W. H. Bachman (NPRI)	Yes	35a	09-017002.0000	1.535
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.236
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	13.236
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	2.036
	Yes	35b	09-017002.0000	0.255
	Yes	36	09-017002.0000	0.589
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.091
	Yes	36	09-017002.0000	0.011
Unknown Heirs or Assigns of W. L. West (NPRI)	Yes	35a	09-017002.0000	1.535
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.236
	Yes	35a	09-017002.0000	0.030
	Yes	35b	09-017002.0000	13.236
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	0.255
	Yes	35b	09-017002.0000	2.036
	Yes	35b	09-017002.0000	0.255
	Yes	36	09-017002.0000	0.589
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.011
	Yes	36	09-017002.0000	0.091
	Yes	36	09-017002.0000	0.011
Unknown Heirs or Assigns of William L. Vetter	No	6b	09-023001.0000	0.884
Unknown Heirs or Assigns of William R. McFarland (NPRI)	Yes	35a	09-017002.0000	1.535
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.030
	Yes	35a	09-017002.0000	0.236
	Yes	35a	09-017002.0000	0.030
Valdemar Prince	Yes	19	11-003009.0000	0.067
Violet Pugh	Yes	19	11-003009.0000	0.012
Wallis Metts, Jr.	Yes	19	11-003009.0000	0.100
William Kaufman	No	19	11-003009.0000	0.175

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 ATTN: Andrew Smith	Yes	1	09-023010.0000	8.397
	Yes	1	09-023010.0000	8.397
	Yes	1	09-023010.0000	0.467
	Yes	1	09-023010.0000	0.467
	Yes	1	09-023010.0000	0.467
	Yes	1	09-023010.0000	3.732
	Yes	1	09-023010.0000	0.467
	Yes	2a	09-023011.0000	9.613
	Yes	2a	09-023011.0000	0.200
	Yes	2a	09-023011.0000	0.200
	Yes	2a	09-023011.0000	0.200
	Yes	2a	09-023011.0000	1.602
	Yes	2a	09-023011.0000	0.200
	Yes	2b	09-023011.0000	4.493
	Yes	2b	09-023011.0000	0.025
	Yes	2b	09-023011.0000	0.025

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

Yes	2b	09-023011.0000	0.200
Yes	2b	09-023011.0000	0.025
Yes	3	09-023005.0000	0.210
Yes	3	09-023005.0000	0.210
Yes	3	09-023005.0000	0.210
Yes	3	09-023005.0000	1.678
Yes	3	09-023005.0000	0.210
Yes	4	09-023004.0000	4.251
Yes	4	09-023004.0000	0.024
Yes	4	09-023004.0000	0.024
Yes	4	09-023004.0000	0.024
Yes	4	09-023004.0000	0.189
Yes	4	09-023004.0000	0.024
Yes	5	09-023007.0000	9.769
Yes	6a	09-023001.0000	1.463
Yes	6a	09-023001.0000	0.041
Yes	6a	09-023001.0000	0.041
Yes	6a	09-023001.0000	0.041
Yes	6a	09-023001.0000	0.325
Yes	6a	09-023001.0000	0.041
Yes	6b	09-023001.0000	2.652
Yes	6b	09-023001.0000	0.442
Yes	6b	09-023001.0000	0.442
Yes	7	09-023012.0000	4.886
Yes	9	11-001004.0000	4.576
Yes	13	11-001007.0000	15.202
Yes	14	09-022005.0000	3.480
Yes	15	11-002006.0000	6.045
Yes	16	11-003007.0000	34.925
Yes	17	11-003022.0000	0.116
Yes	18	11-003006.0000	32.566
Yes	19	11-003009.0000	0.067
Yes	19	11-003009.0000	0.100
Yes	19	11-003009.0000	0.027
Yes	19	11-003009.0000	0.021
Yes	19	11-003009.0000	0.100
Yes	19	11-003009.0000	0.003
Yes	19	11-003009.0000	0.299
Yes	19	11-003009.0000	0.100
Yes	19	11-003009.0000	0.067
Yes	19	11-003009.0000	0.067
Yes	19	11-003009.0000	0.100
Yes	19	11-003009.0000	0.100
Yes	20	11-003020.0000	0.782
Yes	21	11-003008.0000	3.427
Yes	23	15-018006.0000	7.025
Yes	26	11-006015.0000	17.647
Yes	27	11-006005.1000	1.006
Yes	28a	11-006001.0000	0.881
Yes	28b	11-006001.0000	1.046
Yes	29	11-006005.0000	9.988
Yes	30	11-006010.0000	2.110
Yes	31a	11-006007.0000	5.085
Yes	31b	11-006007.0000	2.084
Yes	32a	11-006017.0000	5.537
Yes	32b	11-006017.0000	9.166
Yes	33a	11-006014.0000	4.600
Yes	33b	11-006014.0000	4.200
Yes	34	11-006003.0000	6.414
Yes	35a	09-017002.0000	1.535
Yes	35a	09-017002.0000	0.030
Yes	35a	09-017002.0000	0.030
Yes	35a	09-017002.0000	0.030
Yes	35a	09-017002.0000	0.236
Yes	35a	09-017002.0000	0.030
Yes	35b	09-017002.0000	13.236
Yes	35b	09-017002.0000	0.255
Yes	35b	09-017002.0000	0.255
Yes	35b	09-017002.0000	0.255
Yes	35b	09-017002.0000	2.036
Yes	35b	09-017002.0000	0.255
Yes	35c	09-017002.0000	4.274
Yes	35c	09-017002.0000	0.082
Yes	35c	09-017002.0000	0.082

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

Yes	35c	09-017002.0000	0.082
Yes	35c	09-017002.0000	0.658
Yes	35c	09-017002.0000	0.082
Yes	36	09-017002.0000	0.589
Yes	36	09-017002.0000	0.011
Yes	36	09-017002.0000	0.011
Yes	36	09-017002.0000	0.011
Yes	36	09-017002.0000	0.091
Yes	36	09-017002.0000	0.011
Yes	37	09-017009.0000	0.724
Yes	37	09-017009.0000	0.724
Yes	37	09-017009.0000	0.008
Yes	37	09-017009.0000	0.008
Yes	37	09-017009.0000	0.008
Yes	37	09-017009.0000	0.064
Yes	37	09-017009.0000	0.008
Yes	38	09-018014.0000	3.781
Yes	38	09-018014.0000	3.781
Yes	38	09-018014.0000	0.042
Yes	38	09-018014.0000	0.042
Yes	38	09-018014.0000	0.042
Yes	38	09-018014.0000	0.336
Yes	38	09-018014.0000	0.042

Rice Drilling D LLC
 ATTN: Martin Leehr

Yes	3	09-023005.0000	10.066
Yes	8	11-001002.0000	31.136
Yes	10	11-001003.1000	4.923
Yes	11	11-001005.0000	0.029
Yes	11	11-001005.0000	0.029
Yes	12	11-001003.0000	16.398
Yes	19	11-003009.0000	0.036
Yes	19	11-003009.0000	0.119
Yes	19	11-003009.0000	0.100
Yes	19	11-003009.0000	0.107
Yes	19	11-003009.0000	0.358
Yes	19	11-003009.0000	0.008
Yes	19	11-003009.0000	0.008
Yes	19	11-003009.0000	0.067
Yes	19	11-003009.0000	0.027
Yes	19	11-003009.0000	0.027
Yes	19	11-003009.0000	0.027
Yes	19	11-003009.0000	0.175
Yes	19	11-003009.0000	0.119
Yes	19	11-003009.0000	0.119
Yes	19	11-003009.0000	0.003
Yes	19	11-003009.0000	0.003
Yes	19	11-003009.0000	0.483
Yes	19	11-003009.0000	0.119
Yes	19	11-003009.0000	0.858
Yes	19	11-003009.0000	0.012
Yes	19	11-003009.0000	0.054
Yes	19	11-003009.0000	0.054
Yes	19	11-003009.0000	0.067
Yes	19	11-003009.0000	0.238
Yes	19	11-003009.0000	0.007
Yes	19	11-003009.0000	0.007
Yes	19	11-003009.0000	0.003
Yes	19	11-003009.0000	0.007
Yes	22	11-003013.0000	12.846
Yes	22	11-003013.0000	25.692
Yes	22	11-003013.0000	12.846
Yes	22	11-003013.0000	12.846
Yes	24	11-005012.0000	0.384
Yes	24	11-005012.0000	0.768
Yes	24	11-005012.0000	0.384
Yes	24	11-005012.0000	0.384
Yes	25	11-006006.0000	7.732

C.G.O., Inc.
 ATTN: Michael McCormick, Attorney

Yes	39	09-024003.1000	1.189
Yes	39	09-024003.1000	0.033
Yes	39	09-024003.1000	0.033
Yes	39	09-024003.1000	0.033
Yes	39	09-024003.1000	0.264
Yes	39	09-024003.1000	0.033

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)
1803 Resources, LLC (NPRI) ATTN: Phillip Guerra	Yes	11	11-001005.0000	0.058
Cathy Horton	Yes	6b	09-023001.0000	0.884
Charles W. Haney	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Children's National Hospital Foundation ATTN: Kayla Rowan	Yes	6b	09-023001.0000	0.884
Christopher T. Barr	Yes	19	11-003009.0000	0.067
Colin Stevens	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Dana L. Whaley (NPRI)	Yes	39	09-024003.1000	1.189
Donald Earl Wagner and Pamela Wagner, husband and wife	Yes	2a	09-023011.0000	0.801
	Yes	3	09-023005.0000	0.839
Douglas L. Whaley (NPRI)	Yes	39	09-024003.1000	1.189
Gail Elizabeth Smith	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
George F. Fithen, IV	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Harold Lapp (NPRI)	Yes	11	11-001005.0000	0.058
Jennifer A. Stevens	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Judith G. Cosentino	Yes	2a	09-023011.0000	0.801
	Yes	3	09-023005.0000	0.839
Karen Boston	Yes	6b	09-023001.0000	0.884

Lance George Glaze and Nancy L. Glaze, husband and wife	Yes	2a	09-023011.0000	0.801
	Yes	3	09-023005.0000	0.839
Malanie Whaley (NPRI)	Yes	39	09-024003.1000	1.189
Margaret Smith	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Nan Vetter Perron	No	6b	09-023001.0000	0.884
Rebecca G. Vezina	Yes	2a	09-023011.0000	0.801
	Yes	3	09-023005.0000	0.839
Sandra Chesnut	Yes	6b	09-023001.0000	0.884
Sylvia Waters (NPRI)	Yes	11	11-001005.0000	0.058
Washington Humane Society dba Human Rescue Alliance ATTN: Kimberly Burke	Yes	6b	09-023001.0000	0.884
Washington National Cathedral ATTN: Katie Cole	No	6b	09-023001.0000	0.884
William Patrick Stevens	No	2a	09-023011.0000	0.801
	No	3	09-023005.0000	0.839
Yvonne Ross Burdick (NPRI)	Yes	11	11-001005.0000	0.058

NPRI = Non-Participating Royalty Interest