

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:	Ascent Resources - Utica, LLC		Supplement <input type="checkbox"/>
2	Mailing Address:	3501 NW 63rd Street		
3	City / State / Zip:	Oklahoma City	OK 73116	
4	Office Phone:	405-252-7607		
5	Email:	rachel.lenox@ascentresources.com		
6	Landman Name:	Rachel Lenox		<input type="checkbox"/>
7	Mailing Address:	3501 NW 63rd Street		<input type="checkbox"/>
8	City / State / Zip:	Oklahoma City	OK 73116	<input type="checkbox"/>
9	Office Phone:	405-252-7607		<input type="checkbox"/>
10	Email:	rachel.lenox@ascentresources.com		<input type="checkbox"/>
<i>If applicable</i>				
11	Attorney Name:	Casey N. Valentine		<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) 464-5461		<input type="checkbox"/>
16	Email:	cnvalentine@vorys.com		<input type="checkbox"/>

Section 2. Unit Information *Required*

1	Unit Name:	Withey NE WRN BL Unit		Supplement <input type="checkbox"/>
2	Unit Location: <i>Include all counties and townships</i>	Warren Township, Belmont County Millwood Township, Guernsey County		
3	Number of Tracts:	49		
4	Total Unit Area: <i>In acres</i>	691.193		
5	(a) Number of Proposed Wells:	Two (2)		
	(b) Number of Existing Permitted & Drilled Wells: <i>Please identify by API Number and Well Name.</i>	N/A		

Section 2 Unit Information - continued

6	Identification of the proposed pool or part of a pool:	Utica/Point Pleasant 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?	503.159 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 type="checkbox"/> Survey <input checked="" 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
WITHEY NE WRN BL 5H	15,948	25,902	\$52.02	\$10.62	\$118.69	\$55.02	\$28.25	26.25	<input type="checkbox"/>
WITHEY NE WRN BL 7H	15,974	26,715	\$52.10	\$10.63	\$118.88	\$55.12	\$28.33	26.29	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	31,922	52,617	\$104.11	\$21.26	\$237.57	\$110.14	\$56.58	52.54	<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
WITHEY NE WRN BL 5H	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	<input type="checkbox"/>
WITHEY NE WRN BL 7H	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	<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
WITHEY NE WRN BL 5H	15,948	25,902	\$52.02	\$10.62	\$118.69	\$55.02	\$28.25	26.25	<input type="checkbox"/>
WITHEY NE WRN BL 7H	15,974	26,715	\$52.10	\$10.63	\$118.88	\$55.12	\$28.33	26.29	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	31,922	52,617	\$104.11	\$21.26	\$237.57	\$110.14	\$56.58	52.54	<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 Rachel Lenox (NAME) on behalf of Ascent Resources - Utica, 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.

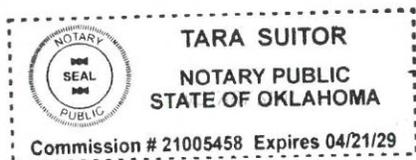
My signature below certifies that the information provided is true and accurate to the best of my knowledge, under penalty of law.

Rachel Lenox SIGNATURE Rachel Lenox PRINT NAME Associate Landman TITLE

STATE OF Oklahoma
COUNTY OF Oklahoma

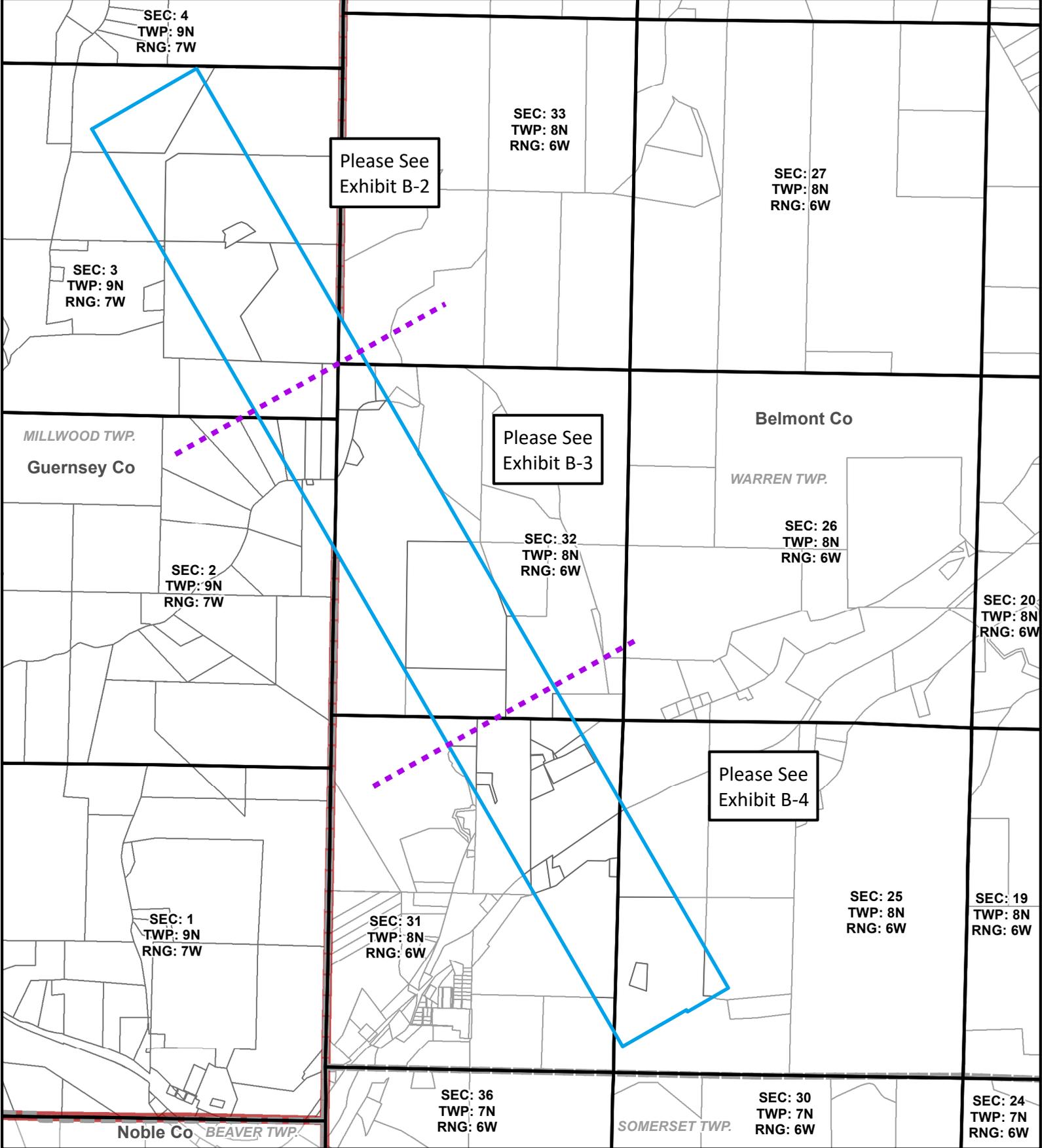
Sworn to before me and subscribed in my presence on this

17 day of October, 2025
MONTH YEAR



Tara Suitor
NOTARY PUBLIC

My commission expires 4-21-29



NAD 1927 UTM Zone 17N

WITHEY NE WRN BL EXHIBIT B-1



1 in = 1,917 ft

	WITHEY NE WRN BL - 691.193 Ac.
	Counties
	Townships
	PLSS Section
	Tax Parcels

SEC: 4
TWP: 9N
RNG: 7W

SEC: 3
TWP: 9N
RNG: 7W

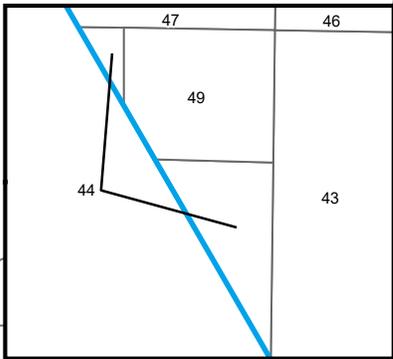
Guernsey Co
MILLWOOD TWP.

SEC: 33
TWP: 8N
RNG: 6W

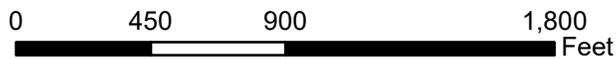
Belmont Co
WARREN TWP.

SEC: 32
TWP: 8N
RNG: 6W

TRACT NO.	PARCEL NO.	ACRES
37	23-0000063.002	23.983
38a	23-0000063.001	43.424
38b	23-0000063.001	4.705
42	41-00776.000	3.992
43	23-0000081.000	42.857
44	23-0000565.000	0.130
45	23-0000607.001	2.354
46	23-0000607.000	48.128
47	23-0000683.000	31.532
48	23-0000603.000	25.870
49	23-0000000.000_MLW_SW_3_1	0.183



WITHEY NE WRN BL EXHIBIT B-2

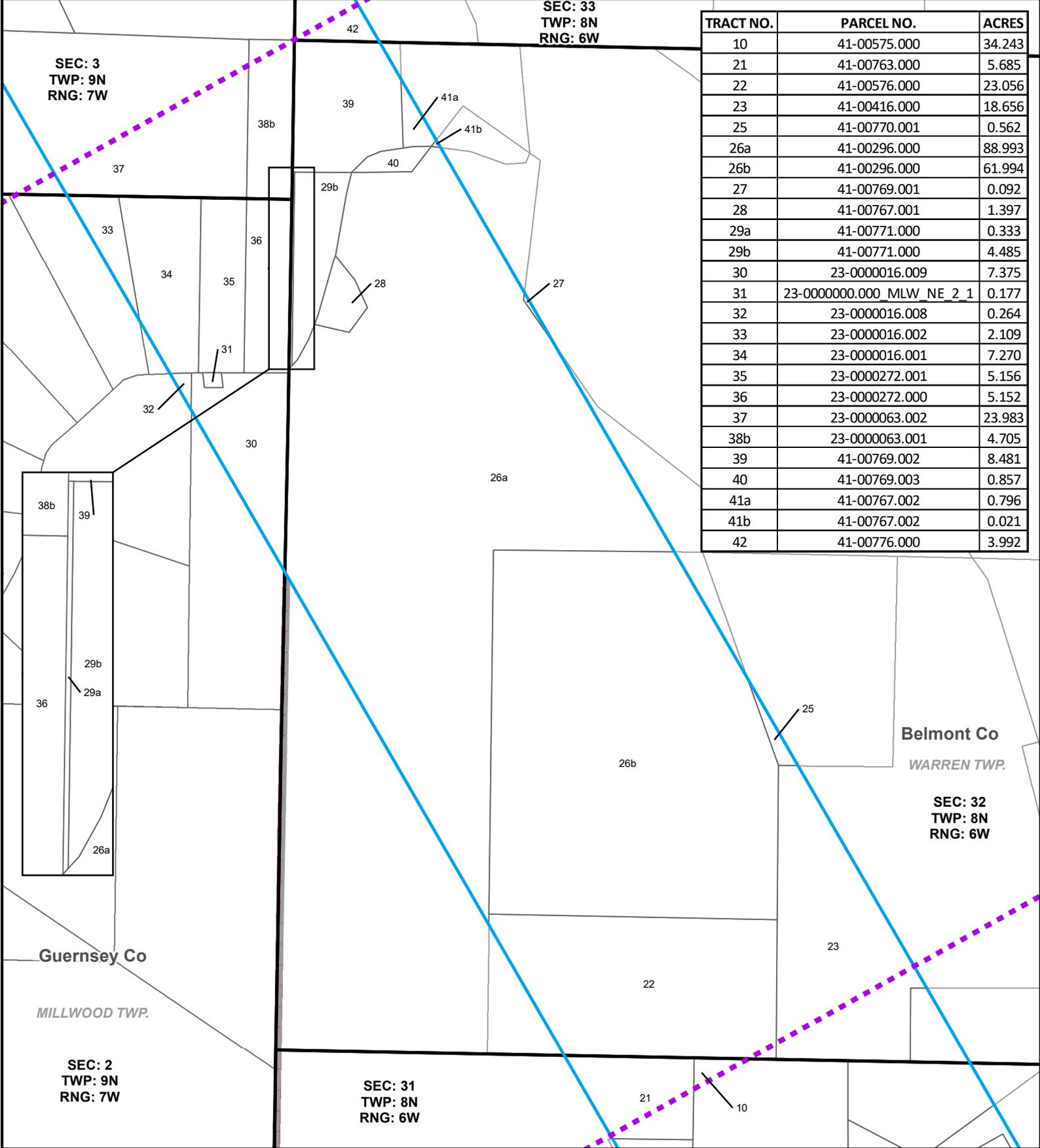


1 in = 639 ft



NAD 1927 UTM Zone 17N

- WITHEY NE WRN BL - 691.193 Ac.
- Counties
- Townships
- PLSS Section
- Tax Parcels

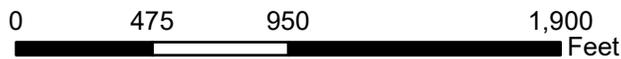


TRACT NO.	PARCEL NO.	ACRES
10	41-00575.000	34.243
21	41-00763.000	5.685
22	41-00576.000	23.056
23	41-00416.000	18.656
25	41-00770.001	0.562
26a	41-00296.000	88.993
26b	41-00296.000	61.994
27	41-00769.001	0.092
28	41-00767.001	1.397
29a	41-00771.000	0.333
29b	41-00771.000	4.485
30	23-0000016.009	7.375
31	23-0000000.000_MLW_NE_2_1	0.177
32	23-0000016.008	0.264
33	23-0000016.002	2.109
34	23-0000016.001	7.270
35	23-0000272.001	5.156
36	23-0000272.000	5.152
37	23-0000063.002	23.983
38b	23-0000063.001	4.705
39	41-00769.002	8.481
40	41-00769.003	0.857
41a	41-00767.002	0.796
41b	41-00767.002	0.021
42	41-00776.000	3.992



NAD 1927 UTM Zone 17N

WITHEY NE WRN BL EXHIBIT B-3



1 in = 667 ft

- WITHEY NE WRN BL - 691.193 Ac.
- Counties
- Townships
- PLSS Section
- Tax Parcels

SEC: 32
TWP: 8N
RNG: 6W



TRACT NO.	PARCEL NO.	ACRES
1	41-00612.000	3.577
2	41-00019.000	1.963
3	41-00538.000	54.760
4	41-00617.000	25.572
5	41-00838.000	2.058
6a	41-00423.000	0.948
6b	41-00423.000	38.145
7	41-00066.000	1.593
8	41-00000.000_WRN_NE_31_1	2.538
9	41-00000.000_WRN_NW_31_1	0.416
10	41-00575.000	34.243
11	41-00376.000	31.434
12	41-00851.000	0.079
13	41-00030.000	5.105
14	41-00376.001	0.086
15	41-00374.000	9.517
16	41-00866.000	0.871
17	41-00141.000	0.043
18	41-00374.001	1.490
19	41-00575.001	1.261
20	41-00763.002	3.555
21	41-00763.000	5.685
22	41-00576.000	23.056
23	41-00416.000	18.656
24	41-00375.000	1.870

Belmont Co

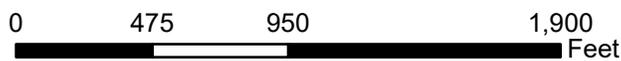
WARREN TWP.

**SEC: 25
TWP: 8N
RNG: 6W**

**SEC: 31
TWP: 8N
RNG: 6W**

SOMERSET TWP.

**WITHEY NE WRN BL
EXHIBIT B-4**



1 in = 667 ft



NAD 1927 UTM Zone 17N

	WITHEY NE WRN BL - 691.193 Ac.
	Counties
	Townships
	PLSS Section
	Tax Parcels

TRACT NO.	PARCEL NO.	ACRES	EXHIBIT
1	41-00612.000	3.577	B-4
2	41-00019.000	1.963	B-4
3	41-00538.000	54.760	B-4
4	41-00617.000	25.572	B-4
5	41-00838.000	2.058	B-4
6a	41-00423.000	0.948	B-4
6b	41-00423.000	38.145	B-4
7	41-00066.000	1.593	B-4
8	41-00000.000_WRN_NE_31_1	2.538	B-4
9	41-00000.000_WRN_NW_31_1	0.416	B-4
10	41-00575.000	34.243	B-3/B-4
11	41-00376.000	31.434	B-4
12	41-00851.000	0.079	B-4
13	41-00030.000	5.105	B-4
14	41-00376.001	0.086	B-4
15	41-00374.000	9.517	B-4
16	41-00866.000	0.871	B-4
17	41-00141.000	0.043	B-4
18	41-00374.001	1.490	B-4
19	41-00575.001	1.261	B-4
20	41-00763.002	3.555	B-4
21	41-00763.000	5.685	B-3/B-4
22	41-00576.000	23.056	B-3/B-4
23	41-00416.000	18.656	B-3/B-4
24	41-00375.000	1.870	B-4
25	41-00770.001	0.562	B-3
26a	41-00296.000	88.993	B-3
26b	41-00296.000	61.994	B-3
27	41-00769.001	0.092	B-3
28	41-00767.001	1.397	B-3
29a	41-00771.000	0.333	B-3
29b	41-00771.000	4.485	B-3
30	23-0000016.009	7.375	B-3
31	23-0000000.000_MLW_NE_2_1	0.177	B-3
32	23-0000016.008	0.264	B-3
33	23-0000016.002	2.109	B-3
34	23-0000016.001	7.270	B-3
35	23-0000272.001	5.156	B-3
36	23-0000272.000	5.152	B-3
37	23-0000063.002	23.983	B-2/B-3
38a	23-0000063.001	43.424	B-2
38b	23-0000063.001	4.705	B-2/B-3
39	41-00769.002	8.481	B-3
40	41-00769.003	0.857	B-3
41a	41-00767.002	0.796	B-3
41b	41-00767.002	0.021	B-3
42	41-00776.000	3.992	B-2/B-3
43	23-0000081.000	42.857	B-2
44	23-0000565.000	0.130	B-2
45	23-0000607.001	2.354	B-2
46	23-0000607.000	48.128	B-2
47	23-0000683.000	31.532	B-2
48	23-0000603.000	25.870	B-2
49	23-0000000.000_MLW_SW_3_1	0.183	B-2
	TOTAL:	691.193	

WITHEY NE WRN BL MAP TABLE



Exhibit H - Withey NE WRN BL Unit

Mineral Owners				
Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit (Net)
Appalachia Minerals, LLC	Yes	3	41-00538.000	54.760
Ascent Utica Minerals, LLC	Yes	25	41-00770.001	0.562
	Yes	26a	41-00296.000	88.993
	Yes	27	41-00769.001	0.092
	Yes	38a	23-0000063.001	43.424
	Yes	39	41-00769.002	8.481
	Yes	40	41-00769.003	0.857
	Yes	41a	41-00767.002	0.796
	Yes	42	41-00776.000	3.992
Benjamin D. Messenger and wife, Emily L. Messenger, as survivorship tenants	Yes	4	41-00617.000	25.572
Bradley M. Carpenter and wife, Jill S. Carpenter, as survivorship tenants	Yes	19	41-00575.001	1.261
Brandie A. Lake	Yes	43	23-0000081.000	14.286
	Yes	46	23-0000607.000	16.043
Brandon Brown and wife, Jenna Brown, as survivorship tenants	Yes	13	41-00030.000	5.105
Brown Family Farms Belmont, LLC	Yes	11	41-00376.000	31.434
	Yes	12	41-00851.000	0.079
	Yes	15	41-00374.000	9.517
	Yes	24	41-00375.000	1.870
Carl E. Venard Trust Agreement dated November 8, 1990	No	29a	41-00771.000	0.014
Carpenter Minerals LLC	Yes	10	41-00575.000	34.243
Carpenter Minerals, LLC	Yes	22	41-00576.000	23.056
	Yes	23	41-00416.000	18.656
Charles Alfred Merecka	Yes	1	41-00612.000	0.083
Chasity Lake	Yes	43	23-0000081.000	14.286
	Yes	45	23-0000607.001	2.354
	Yes	46	23-0000607.000	16.043
Cheryl S. Rickert, Trustee	No	29a	41-00771.000	0.014
Cody Wesley	Yes	2	41-00019.000	0.245
Cooper Island Investments, LLC	Yes	47	23-0000683.000	1.314
	Yes	48	23-0000603.000	1.078
CSX Transportation, Inc.	No	9	41-00000.000 _WRN_NW_31_1	0.416
Daniel Bruce Horne	No	29a	41-00771.000	0.001
David D. Horne	No	29a	41-00771.000	0.001
Dean B. Shaw	No	29a	41-00771.000	0.002
Deborah Marie Lee	No	29a	41-00771.000	0.0005
Devyn McGuire	Yes	2	41-00019.000	0.245
Donna Keyser Fisch	Yes	1	41-00612.000	0.151
Duane J. Davis	Yes	1	41-00612.000	0.014
Eigg Land Limited	Yes	30	23-0000016.009	2.950
Eli Rebich	Yes	1	41-00612.000	0.067
First Ranger Capital, LLC	Yes	47	23-0000683.000	0.026
	Yes	48	23-0000603.000	0.022
Flatiron Energy Partners, LLC	Yes	47	23-0000683.000	0.736
	Yes	48	23-0000603.000	0.604
Four HC Utica, LLC	Yes	47	23-0000683.000	0.175
	Yes	48	23-0000603.000	0.144
Gatrell Real Estate Holdings, Ltd.	Yes	30	23-0000016.009	1.475
Glasgow Port Washington Iron and Coal Company Limited	Yes	30	23-0000016.009	1.475
Gregg M. Stubbs	No	29a	41-00771.000	0.002
Harold L. Vermillion	Yes	2	41-00019.000	0.491
Heather A. Cameron	Yes	43	23-0000081.000	14.286
	Yes	46	23-0000607.000	16.043
Highpoint Energy, VI	Yes	48	23-0000603.000	2.443
Janis M. Moell	No	29a	41-00771.000	0.002
Jerald L. Booth	No	1	41-00612.000	0.022
John H. Vanas, Trustee under the Trust Agreement dated January 29, 1992	No	29a	41-00771.000	0.007
John Richard Horne	No	29a	41-00771.000	0.001
John Rob Hill	Yes	1	41-00612.000	0.012
Jon A. Davis	Yes	1	41-00612.000	0.014
Jonathan Edward Martin Trust	No	29a	41-00771.000	0.002
Julie C. Dodson	No	29a	41-00771.000	0.001

Justin Joe Merecka	Yes	1	41-00612.000	0.083
Julia A. Cain and husband, David J. Cain, as survivorship tenants	Yes	35	23-0000272.001	5.156
	Yes	36	23-0000272.000	5.152
	Yes	37	23-0000063.002	23.983
	Yes	38b	23-0000063.001	4.705
	No	29a	41-00771.000	0.006
Karen Graham	No	29a	41-00771.000	0.002
Karen Semple	Yes	29a	41-00771.000	0.006
Kathryn Kay Marchione	No	29a	41-00771.000	0.006
Lee A. Pierce	Yes	1	41-00612.000	0.416
Long Point Energy, LLC	Yes	1	41-00612.000	0.083
Lory Merecka Shelton	No	29a	41-00771.000	0.002
Marcia Jo Wells	No	29a	41-00771.000	0.014
Margaret A. Hallam and Rosemary Cook, Co-Trustees of the Clara Reynolds Trust	No	29a	41-00771.000	0.002
Margaret Holmes Martin Trust	No	29a	41-00771.000	0.007
Masonic Home of Springfield, OH	Yes	32	23-0000016.008	0.264
Michelle Smith and Ronald J. Smith, wife and husband	Yes	47	23-0000683.000	6.569
Millwood Guernsey 38 NMA LLC	Yes	48	23-0000603.000	5.390
	Yes	7	41-00066.000	1.593
Molly J. Carpenter	Yes	1	41-00612.000	0.119
Monty J. Merecka	Yes	44	23-0000565.000	0.130
Noah E. Yoder and wife, Clara Ann Yoder, as survivorship tenants	Yes	14	41-00376.001	0.086
Patrick E. Kaplet and wife, Molly A. Kaplet, as survivorship tenants	Yes	18	41-00374.001	1.490
	Yes	1	41-00612.000	0.416
Phillip D. Doudna	Yes	1	41-00612.000	0.012
Raymond Roscoe Hill	Yes	1	41-00612.000	0.075
Rebecca Sue Aungst	Yes	47	23-0000683.000	19.708
RHDK Investments, LLC	Yes	48	23-0000603.000	16.169
	Yes	33	23-0000016.002	2.109
Richard W. Moore and Viola Thompson, nka, Viola Moore, husband and wife	Yes	34	23-0000016.001	7.270
	Yes	2	41-00019.000	0.491
Robert M. Vermillion	Yes	2	41-00019.000	0.491
Robyn L. Castello	Yes	1	41-00612.000	0.075
Ronald Lee Skelley	No	29a	41-00771.000	0.010
Sandra D. Powers	No	29a	41-00771.000	0.0005
Sandra Kay Kinstle	Yes	20	41-00763.002	3.555
Scott A. Jackson and wife, Amy M. Jackson, as survivorship tenants	Yes	21	41-00763.000	5.685
	No	29a	41-00771.000	0.0005
Scott Anothony Moell	Yes	16	41-00866.000	0.871
Sherril R. Kaplet	Yes	17	41-00141.000	0.043
	Yes	30	23-0000016.009	1.475
Steven Garro	No	29a	41-00771.000	0.007
Tadmor Temple of Ancient Arabic Order	Yes	48	23-0000603.000	0.022
Tejas Resources, LLC	Yes	28	41-00767.001	1.397
The Archaeological Conservancy, Inc. a non-profit California Corporation	Yes	6a	41-00423.000	0.948
The DraCliff Family Trust dated October 9, 2014	Yes	26b	41-00296.000	61.994
	Yes	29b	41-00771.000	4.485
	Yes	41b	41-00767.002	0.021
The Douglass Family Irrevocable Trust, U/A dated September 19, 2012 SWN Production Company, LLC (NPRI)	No	1	41-00612.000	0.279
The Earl M. Robinson Revocable Trust dated June 6, 1993	Yes	1	41-00612.000	0.416
The Harold E. Doudna Trust dated 6/28/2017	No	5	41-00838.000	2.058
The Ohio River Collieries Company	No	6b	41-00423.000	38.145
	No	8	41-00000.000 _WRN_NE_31_1	2.538
	No	29a	41-00771.000	0.0005
Todd Eric Moell	No	29a	41-00771.000	0.0005
Tracy Ann Miller	No	1	41-00612.000	0.014
Unknown Heirs and Assigns of Bert E. Davis, deceased	No	29a	41-00771.000	0.014
Unknown Heirs and Assigns of Billie Virginia Darkenwald, deceased	No	29a	41-00771.000	0.012
Unknown Heirs and Assigns of Carolyn Jean Wolfson, deceased	No	29a	41-00771.000	0.007
Unknown Heirs and Assigns of Charlotte Ralph, deceased	No	29a	41-00771.000	0.001
Unknown Heirs and Assigns of Colleen Horne, deceased	No	29a	41-00771.000	0.019
Unknown Heirs and Assigns of Dorothy E. Horger, deceased	No	1	41-00612.000	0.256
Unknown Heirs and Assigns of Hazel Mary Robinson, deceased	No	1	41-00612.000	0.194
Unknown Heirs and Assigns of Howard F. Henderson, deceased	No	1	41-00612.000	0.023
Unknown Heirs and Assigns of Jerry Robinson, deceased	No	1	41-00612.000	0.256
Unknown Heirs and Assigns of John Harrison Robinson, deceased	No	1	41-00612.000	0.023
Unknown Heirs and Assigns of Juanita Shaw, deceased	No	29a	41-00771.000	0.024
Unknown Heirs and Assigns of Lee Edward Campbell, deceased	No	29a	41-00771.000	0.024

Unknown Heirs and Assigns of Leona M. Rapp, deceased	No	29a	41-00771.000	0.024
Unknown Heirs and Assigns of Mabel C. Cline, deceased	No	29a	41-00771.000	0.024
Unknown Heirs and Assigns of Mabel Hoffman, deceased	No	29a	41-00771.000	0.014
Unknown Heirs and Assigns of Marvin Lee Doudna, deceased	No	29a	41-00771.000	0.014
Unknown Heirs and Assigns of Mary Ellen Manton, deceased	No	1	41-00612.000	0.023
Unknown Heirs and Assigns of Melva Beatrice Strawser, deceased	No	29a	41-00771.000	0.014
Unknown Heirs and Assigns of Oliver Fairchild, deceased	No	1	41-00612.000	0.043
Unknown Heirs and Assigns of Pauline Irby, deceased	No	1	41-00612.000	0.023
Unknown Heirs and Assigns of Perry Barker, deceased	No	31	23-0000000.000 _MLW_NE_2_1	0.177
Unknown Heirs and Assigns of Reitta Sullivan, deceased	No	29a	41-00771.000	0.010
Unknown Heirs and Assigns of Roscoe R. (R.R.) Robinson, deceased	No	1	41-00612.000	0.256
Unknown Heirs and Assigns of Roscoe Ross (Ike) Robinson, deceased	No	1	41-00612.000	0.023
Unknown Heirs and Assigns of Ruth Campbell, deceased	No	29a	41-00771.000	0.024
Unknown Heirs and Assigns of Ruth Morgan, deceased	No	29a	41-00771.000	0.014
Unknown Heirs and Assigns of Solomon Coles, deceased	No	49	23-0000000.000 _MLW_SW_3_1	0.183
Unknown Heirs and Assigns of William Brook Robinson, III, deceased	No	1	41-00612.000	0.023
Vicky Rolf	Yes	1	41-00612.000	0.083
William G. Deerwester	No	29a	41-00771.000	0.002

Working Interest Owners				
Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit (Net)
	Yes	1	41-00612.000	0.416
	Yes	1	41-00612.000	0.416
	Yes	1	41-00612.000	0.416
	Yes	1	41-00612.000	0.119
	Yes	1	41-00612.000	0.067
	Yes	1	41-00612.000	0.083
	Yes	1	41-00612.000	0.083
	Yes	1	41-00612.000	0.083
	Yes	1	41-00612.000	0.151
	Yes	1	41-00612.000	0.075
	Yes	1	41-00612.000	0.075
	Yes	1	41-00612.000	0.014
	Yes	1	41-00612.000	0.014
Ascent Resources - Utica, LLC Attn: Kade R. Smith	Yes	1	41-00612.000	0.012
	Yes	1	41-00612.000	0.012
	Yes	2	41-00019.000	0.491
	Yes	2	41-00019.000	0.491
	Yes	2	41-00019.000	0.491
	Yes	2	41-00019.000	0.245
	Yes	2	41-00019.000	0.245
	Yes	4	41-00617.000	25.572
	Yes	6a	41-00423.000	0.948
	Yes	7	41-00066.000	1.593
	Yes	10	41-00575.000	34.243
	Yes	11	41-00376.000	31.434
	Yes	12	41-00851.000	0.079
	Yes	13	41-00030.000	5.105
	Yes	14	41-00376.001	0.086
	Yes	15	41-00374.000	9.517
	Yes	16	41-00866.000	0.871
	Yes	17	41-00141.000	0.043
	Yes	18	41-00374.001	1.490
	Yes	19	41-00575.001	1.261
	Yes	22	41-00576.000	23.056
	Yes	23	41-00416.000	18.656
	Yes	24	41-00375.000	1.870
	Yes	25	41-00770.001	0.562
	Yes	26a	41-00296.000	88.993
	Yes	26b	41-00296.000	61.994
	Yes	27	41-00769.001	0.092
	Yes	28	41-00767.001	1.397
	Yes	29a	41-00771.000	0.006

Ascent Resources - Utica, LLC
 Attn: Kade R. Smith
 [Continued]

Yes	29b	41-00771.000	4.485
Yes	30	23-0000016.009	2.950
Yes	30	23-0000016.009	1.475
Yes	30	23-0000016.009	1.475
Yes	30	23-0000016.009	1.475
Yes	32	23-0000016.008	0.264
Yes	33	23-0000016.002	2.109
Yes	34	23-0000016.001	7.270
Yes	35	23-0000272.001	5.156
Yes	36	23-0000272.000	5.152
Yes	37	23-0000063.002	23.983
Yes	38a	23-0000063.001	43.424
Yes	38b	23-0000063.001	4.705
Yes	39	41-00769.002	8.481
Yes	40	41-00769.003	0.857
Yes	41a	41-00767.002	0.796
Yes	41b	41-00767.002	0.021
Yes	42	41-00776.000	3.992
Yes	45	23-0000607.001	2.354
Yes	46	23-0000607.000	16.043
Yes	46	23-0000607.000	16.043
Yes	46	23-0000607.000	16.043
Yes	47	23-0000683.000	6.569
Yes	47	23-0000683.000	3.004
Yes	47	23-0000683.000	0.026
Yes	47	23-0000683.000	0.736
Yes	47	23-0000683.000	0.175
Yes	47	23-0000683.000	1.314
Yes	48	23-0000603.000	5.390
Yes	48	23-0000603.000	2.443
Yes	48	23-0000603.000	0.022
Yes	48	23-0000603.000	0.604
Yes	48	23-0000603.000	0.144
Yes	48	23-0000603.000	1.078
Yes	48	23-0000603.000	0.022
Yes	3	41-00538.000	54.760
Yes	20	41-00763.002	3.555
Yes	21	41-00763.000	5.685
Yes	43	23-0000081.000	14.286
Yes	43	23-0000081.000	14.286
Yes	43	23-0000081.000	14.286
Yes	44	23-0000565.000	0.069
Yes	44	23-0000565.000	0.046
Yes	44	23-0000565.000	0.014
Yes	47	23-0000683.000	19.708
Yes	48	23-0000603.000	16.169

SWN Production Company, LLC
 By Expand Energy Corporation
 Attn: Paul M. Bacho, Attorney-in-Fact

Tiburon Oil & Gas Ohio, LLC
 Attn: Scott Hudson, President and CEO

Tiburon - PEO, LLC
 Attn: John Albert, Authorized Person

Alchemist Energy LeaseCo., LP
 Attn: Billy Hannes, Senior VP

RHDK Oil & Gas, LLC
 Attn: Keith B. Kimble, Managing Member

Potential Mineral and Working Interest Owners

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Potential Surface Acres in Unit (Net)
Triple B Trucking, Inc.	No	1	41-00612.000	1.789
Brad Fairchild	Yes			
Brittany Joanne Fairchild	Yes			
Brooke Robinson	Yes			
Charles Alfred Merecka	Yes			
Edward Robinson	No			
Eli Rebich	Yes			
Geneva L. Davis	Yes			
J. Herbert Manton	No			
Janet I Braun	Yes			
Jerald L. Booth	No			
Jill K. Null	Yes			
Jodi Boggs	No			
Jody A. Stiving	Yes			

John Rob Hill	Yes			
Julianne A. Alt	No			
Justin Joe Merecka	Yes			
Katherine C. Honea	No			
Lisa L. Henderson	Yes			
Long Point Energy, LLC	Yes			
Lory Merecka Shelton	Yes			
Marjorie H. Davis	No			
Marquita Lawanda Fairchild	Yes			
Mary Rio	Yes	1	41-00612.000	3.577
Monty J. Merecka	Yes			
Phillip D. Doudna	Yes			
Raymond Roscoe Hill	Yes			
Rebecca Scott	Yes			
Robert S. Irby	Yes			
Scott Carl Robinson	Yes			
Stephen R. Shaw	No			
Susan A. Hawn	No			
Susan Solberg	Yes			
The Harold E. Doudna Trust dated 6/28/2017	Yes			
Vicky Rolf	Yes			
William Cameron Shaw	No			
Unknown Heirs and Assigns of Mary Ellen Manton, deceased	No			
Unknown Heirs and Assigns of Jerry William Robinson, deceased	No			
Unknown Heirs and Assignof Juanita Ruth Shaw, deceased	No			
Unknown Heirs and Assign of Luella Van Fossen Henderson, deceased	No			
Unknown Heirs and Assign of Margaret Robinson, deceased	No			
Unknown Heirs and Assign of Pauline Irby, deceased	No			
Unknown Heirs and Assign of Pratt Irby, deceased	No			
Unknown Heirs and Assign of Robert A. Fairchild, deceased	No			
Unknown Heirs and Assign of Roscoe Ross Robinson, deceased	No			
Unknown Heirs and Assigns of William Brook Robinson, III, deceased	No			
Unknown Heirs and Assigns of William R. Shaw, deceased	No			
Appalachia Minerals, LLC				
Ascent Resources - Utica, LLC	Yes	3	41-00538.000	54.760
SWN Production Company, LLC				
Daniel Messenger	Yes	5	41-00838.000	2.058
The DraCliff Family Trust dated October 9, 2014	Yes	6b	41-00423.000	38.145
Ann Parker	No			
Belinda J. Senn	No			
Cynthia Marie Rolewski	No			
Daniel W. Sawyer	No			
Daryl Clarke Johnson	No			
Dean Edward Roush	No			
Deborah Louise Stephens	No			
Douglas Herman Johnson	No	10	41-00575.000	17.122
Ellen H. Mulquin	No	19	41-00575.001	0.631
Heather J. Roush	No	22	41-00576.000	11.528
Michael Eugene Johnson	No			
Nancy Jeanne Bates	No			
Nancy Jeanne Bates, Trustee of the Revocable Inter Vivos Trust of Jeanne M. Wood	No			
Patricia Anne Greenleaf	No			
Sharyn Lee Brown	No			
Unknown Heirs and Assigns of Janice Greider, deceased	No			
Unknown Heirs and Assigns of William Russell Mulquin, deceased	No			
Carpenter Minerals, LLC	No	25	41-00770.001	0.562
NGO Development Corporation, Inc (WI Owner)	Yes	25	41-00770.001	0.562
	Yes	26a	41-00296.000	88.993
Barbara B. Digiannantoni	No			
Barbara Ingram	Yes			
Beverly Joy Greco	No			
Bradley Kent Strawser	No			
Brenda Leary	No			
Brian W. Strawser	No			
Carol Bull	No			
Cheryl L. Strawser	No			
Christy Noeth	No			
Clement B. Darkenwald	No			

Cynthia Lynn Torsell	No
Daniel Bruce Horne	No
Daniel Strawser, Sr.	No
David D. Horne	No
Debbie K. Yankoupe	No
Denise Kramer	No
Diana Lynn Harwood	No
Faith Armanda Sepe	No
Geoffrey Cline	No
Gilbert Robert Darkenwald	No
James Douglas Cline	No
James E. Strawser	No
James Edward Gibson	No
James Michael Snyder	No
Janet M. Daubert	No
Janet Snyder	No
Jeannette Marilyn Black	No
Jeff Verghn Horger	Yes
Jerry Jo Snyder	No
Jessica Pell West	Yes
John D. Strawser, Jr.	No
John F. Darkenwald	No
John Richard Horne	No
Joyce Annette Packard	Yes
Julia Carolyn Rodriguez	No
Julie C. Dodson	No
Leesa Snyder n/k/a Leesa Johnson	No
Mary Burr a/k/a Mary Kathryn Burr	No
Margaret A. Hallam and Rosemary Cook, Co-Trustees of the Clara Reynolds Trust	No
Marian Walters	No
Unknown Heirs and Assigns of Marilyn Chamberlain, deceased	No
Mary E. Snyder	No
Pamela Jo Barrett	No
Patricia Lou Snyder	No
Renee Howard	No
Robert D. Snyder	Yes
Ruth Ann Snyder	No
Ruth M. Priest	No
Sandra Polli	No
Suzanne Rene Strawser	No
Teresa A. Snyder	No
Loy Overly, Trustee of the Judith A. Overly Trust	No
Thomas Kent Snyder	No
Unknown Heirs and Assigns of Carolyn Jean Wolfson, deceased	No
Brenda Hannah	No
Unknown Heirs and Assigns of Mabel Hoffman, deceased	No
Unknown Heirs and Assigns of Victor Lee Jacobs, deceased	No
The Victor L. Jacobs Trust	No
Wanda Shearer	No
William (Billy) Clarke	No
Unknown Heirs and Assigns of Reitta Sullivan, deceased	No
Unknown Heirs and Assigns of Bonnie Sue Smith, deceased	No
Unknown Heirs and Assigns of Jennifer L. Gibson, deceased	No
Unknown Heirs and Assigns of Charlotte Ralph, deceased	No
Unknown Heirs and Assigns of Colleen Horne, deceased	No
Unknown Heirs and Assigns of Billie Virginia Darkenwald, deceased	No
Unknown Heirs and Assigns of Ruth Morgan, deceased	No
Unknown Heirs and Assigns of Terry F. Morgan, deceased	No
Unknown Heirs and Assigns of Jeffrey A. Ralph, deceased	No
Unknown Heirs and Assigns of Marvin Lee Doudna, deceased	No
Unknown Heirs and Assigns of Melva Beatrice Strawser, deceased	No
Unknown Heirs and Assigns of Donald W. Strawser, deceased	No
Unknown Heirs and Assigns of John David Strawser, deceased	No
Unknown Heirs and Assigns of Lourie Stubbs, deceased	No
Unknown Heirs and Assigns of Dorothy E. Horger, deceased	No
Unknown Heirs and Assigns of Mabel C. Cline, deceased	No
Unknown Heirs and Assigns of William Geoffrey Cline, deceased	No
Unknown Heirs and Assigns of Leona M. Rapp, deceased	No

29a

41-00771.000

0.333

Unknown Heirs and Assigns of Lee Edward Campbell, deceased	No			
Unknown Heirs and Assigns of Ruth Campbell, deceased	No			
Unknown Heirs and Assigns of Melvin Herbert Snyder, deceased	No			
Unknown Heirs and Assigns of Daniel Eugene Snyder, deceased	No			
Unknown Heirs and Assigns of Frank Snyder, deceased	No			
Unknown Heirs and Assigns of James Orion Snyder deceased	No			
Unknown Heirs and Assigns of Bill Snyder, deceased	No			
Unknown Heirs and Assigns of Benjamin Coles, deceased	No	49	23-000000.000 _MLW_SW_3_1	0.183