

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"/> <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:	(832) 796-6109			
5	Email:	gary_nuckolls@swn.com			
6	Landman Name:	Gary Nuckolls			<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:	(832) 796-6109			
10	Email:	gary_nuckolls@swn.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"/> <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:	McFrederick F Unit			Supplement <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Unit Location: <i>Include all counties and townships</i>	Wayne Township, Belmont County, Ohio Sunsbury Township, Monroe County, Ohio			
3	Number of Tracts:	60			
4	Total Unit Area: <i>In acres</i>	457.589 acres			
5	(a) Number of Proposed Wells:	One			
	(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	Supplement
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?	378.866 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	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 <i>Optional only for requests to amend orders for unit operations</i>	
Exhibit F	Cross-Section Location Map <i>Optional only for requests to amend orders for unit operations</i>	
Exhibit G	Leasing Efforts & Affidavit of Leasing Efforts	
Exhibit H	Owner List for Notice Purposes	

Section 4. Mailing List (Excel) *Required*

Supplement

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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
McFrederick F UP BLT 6H	15,524	25,170	\$12.3	\$17.9	\$62.4	\$30.5	\$13.7	24.4	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	15,524	25,170	\$12.3	\$17.9	\$62.4	\$30.5	\$13.7	24.4	<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
McFrederick F UP BLT 6H	0	0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	0.0	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	0	0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	0.0	<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
McFrederick F UP BLT 6H	15,524	25,170	\$12.3	\$17.9	\$62.4	\$30.5	\$13.7	24.4	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	15,524	25,170	\$12.3	\$17.9	\$62.4	\$30.5	\$13.7	24.4	<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

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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 **Gary Nuckolls** (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.

	Gary Nuckolls	Supervisor - Land
SIGNATURE	PRINT NAME	TITLE

STATE OF

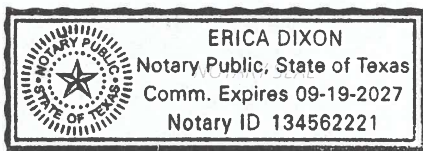
Texas


COUNTY OF

Harris

Sworn to before me and subscribed in my presence on this

23rd day of October, 2021
MONTH 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.

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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

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COUNTY OF

--

Sworn to before me and subscribed in my presence on this

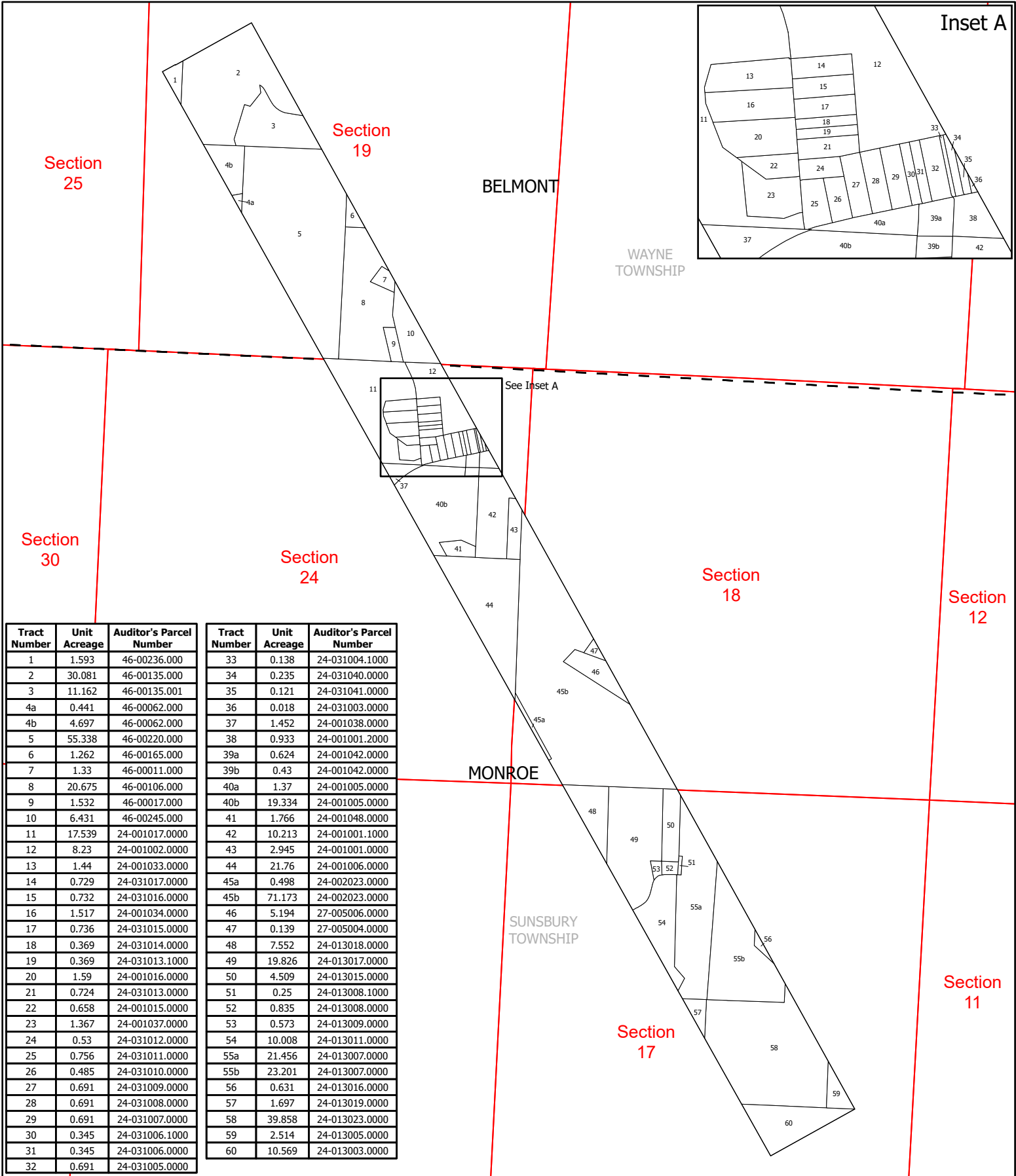
_____ day of _____, 20____.

MONTH YEAR

NOTARY SEAL

NOTARY PUBLIC

My commission expires _____.



Tract Number	Unit Acreage	Auditor's Parcel Number
1	1.593	46-00236.000
2	30.081	46-00135.000
3	11.162	46-00135.001
4a	0.441	46-00062.000
4b	4.697	46-00062.000
5	55.338	46-00220.000
6	1.262	46-00165.000
7	1.33	46-00011.000
8	20.675	46-00106.000
9	1.532	46-00017.000
10	6.431	46-00245.000
11	17.539	24-001017.0000
12	8.23	24-001002.0000
13	1.44	24-001033.0000
14	0.729	24-031017.0000
15	0.732	24-031016.0000
16	1.517	24-001034.0000
17	0.736	24-031015.0000
18	0.369	24-031014.0000
19	0.369	24-031013.1000
20	1.59	24-001016.0000
21	0.724	24-031013.0000
22	0.658	24-001015.0000
23	1.367	24-001037.0000
24	0.53	24-031012.0000
25	0.756	24-031011.0000
26	0.485	24-031010.0000
27	0.691	24-031009.0000
28	0.691	24-031008.0000
29	0.691	24-031007.0000
30	0.345	24-031006.1000
31	0.345	24-031006.0000
32	0.691	24-031005.0000

Tract Number	Unit Acreage	Auditor's Parcel Number
33	0.138	24-031004.1000
34	0.235	24-031040.0000
35	0.121	24-031041.0000
36	0.018	24-031003.0000
37	1.452	24-001038.0000
38	0.933	24-001001.2000
39a	0.624	24-001042.0000
39b	0.43	24-001042.0000
40a	1.37	24-001005.0000
40b	19.334	24-001005.0000
41	1.766	24-001048.0000
42	10.213	24-001001.1000
43	2.945	24-001001.0000
44	21.76	24-001006.0000
45a	0.498	24-002023.0000
45b	71.173	24-002023.0000
46	5.194	27-005006.0000
47	0.139	27-005004.0000
48	7.552	24-013018.0000
49	19.826	24-013017.0000
50	4.509	24-013015.0000
51	0.25	24-013008.1000
52	0.835	24-013008.0000
53	0.573	24-013009.0000
54	10.008	24-013011.0000
55a	21.456	24-013007.0000
55b	23.201	24-013007.0000
56	0.631	24-013016.0000
57	1.697	24-013019.0000
58	39.858	24-013023.0000
59	2.514	24-013005.0000
60	10.569	24-013003.0000

County Boundary

Unit Boundary

Section Lines

01,0002,000

1,000

2,000 Feet

1 inch = 1,600 feet

N

W

E

S

McFrederick F Unit

EXHIBIT B

Contract Area: 457.589 Acres

Wayne Township, Belmont County OH

Sunsbury Township, Monroe County OH

Exhibit H - McFrederick F Unit				
Mineral Owners				
Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit (Net)
Adreanna B. Winland	Yes	25	24-031011.0000	0.378
	Yes	26	24-031010.0000	0.243
Ashley R. Bush	Yes	29	24-031007.0000	0.346
	Yes	30	24-031006.1000	0.173
Barbara Lynn Davis	Yes	55a	24-013007.0000	7.152
	Yes	55b	24-013007.0000	7.734
Brian E. Westfall	Yes	54	24-013011.0000	3.336
	Yes	57	24-013019.0000	0.566
Brookfield Energy, LLC ATTN: Lori Wallace	Yes	7	46-00458.000	1.330
Carol Lynn Westfall	Yes	55a	24-013007.0000	7.152
	Yes	55b	24-013007.0000	7.734
Cassandra Ridenour	Yes	60	24-013003.0000	10.569
Charles A. Winland and Regina L. Winland, husband and wife	Yes	1	46-00236.000	1.593
Charles H. K. West	Yes	45a	24-002023.0000	0.125
	Yes	45b	24-002023.0000	17.793
	Yes	47	27-005004.0000	0.035
Charles R. Reed, Sr. and Paulina J. Reed, husband and wife (NPRI)	Yes	19	24-031013.1000	0.123
	Yes	19	24-031013.1000	0.123
	Yes	19	24-031013.1000	0.123
	Yes	21	24-031013.0000	0.241
	Yes	21	24-031013.0000	0.241
	Yes	21	24-031013.0000	0.241
Chase James McGeary	Yes	19	24-031013.1000	0.123
	Yes	21	24-031013.0000	0.241
Christie Jo Rayl	Yes	13	24-001033.0000	0.240
Clark E. English and Shirlyn English, husband and wife	No	20	24-001016.0000	1.590
Curtis James Miller	Yes	27	24-031009.0000	0.230
	Yes	28	24-031008.0000	0.230
Denzil O. LaFaber and Jane A. LaFaber, husband and wife	Yes	2	46-00135.000	30.081
	Yes	3	46-00135.001	11.162
Dianna Reed	Yes	19	24-031013.1000	0.123
	Yes	21	24-031013.0000	0.241
Donald C. Headley and Ruth A. Headley, husband and wife	Yes	49	24-013017.0000	19.826
	Yes	53	24-013009.0000	0.573
Donald Shriver	Yes	37	24-001038.0000	1.452
Dyann D. Kinney	Yes	4a	46-00062.000	0.441
	Yes	4b	46-00062.000	4.697
Ernest H. Maizlik, III, Trustee of Ernest H. Maizlik, Jr. 12/18/2008 Irrevocable Real Estate Trust	Yes	5	46-00220.000	55.338
Gary Lee Miller	Yes	27	24-031009.0000	0.230
	Yes	28	24-031008.0000	0.230
Gerry L. Mickey	Yes	13	24-001033.0000	0.480
Harmon Creek Farms, LLC ATTN: Morgan Miller, Managing Member/President/Vice President	No	58	24-013023.0000	1.993
	No	59	24-013005.0000	0.126
Jackie Lynn Highman	Yes	35	24-031041.0000	0.121
	Yes	36	24-031003.0000	0.018
Jeffrey L. Crum	No	39a	24-001042.0000	0.624
	No	39b	24-001042.0000	0.430
Jessica McBride	Yes	56	24-013016.0000	0.316
Jo-Ellyn R. Decker	Yes	25	24-031011.0000	0.378
	Yes	26	24-031010.0000	0.243
John H. Tomblin	Yes	45a	24-002023.0000	0.125
	Yes	45b	24-002023.0000	17.793
	Yes	47	27-005004.0000	0.035
Joyce M. Wehr	Yes	31	24-031006.0000	0.345
	Yes	32	24-031005.0000	0.691
	Yes	33	24-031004.1000	0.138
	Yes	34	24-031040.0000	0.235
Kelsie L. Westfall, Jr.	Yes	54	24-013011.0000	3.336
	Yes	57	24-013019.0000	0.566
Kenneth W. Miller and Rebecca S. Miller, husband and wife	Yes	11	24-001017.0000	17.539

KINDSHRIV, LLC ATTN: Randy L. Kindelberger, Member and Debra K. Kindelberger, Member	Yes	40a	24-001005.0000	1.370
	Yes	40b	24-001005.0000	19.334
Life Tenant: Howard A. Brown	Yes	50	24-013015.0000	4.509
	Yes	51	24-013008.1000	0.250
	Yes	52	24-013008.0000	0.835
LL&B Headwater II, LP ATTN: Gordon Deen	Yes	48	24-013018.0000	7.552
Marie E. West	Yes	45a	24-002023.0000	0.125
	Yes	45b	24-002023.0000	17.793
	Yes	47	27-005004.0000	0.035
Mark Passmore	Yes	22	24-001015.0000	0.658
Neil Eugene Miller	Yes	27	24-031009.0000	0.230
	Yes	28	24-031008.0000	0.230
Peggy Dague-Mannion	Yes	13	24-001033.0000	0.480
Remainderman: Kelly J. Brown (1/2)	Yes	50	24-013015.0000	4.509
	Yes	51	24-013008.1000	0.250
	Yes	52	24-013008.0000	0.835
Remaindermen: Howard D. Brown and Teresa Brown, husband and wife (1/2)	Yes	50	24-013015.0000	4.509
	Yes	51	24-013008.1000	0.250
	Yes	52	24-013008.0000	0.835
Renee M. Beymer	Yes	24	24-031012.0000	0.177
Richard Allen Tubaugh	Yes	24	24-031012.0000	0.177
Richard S. Westfall	Yes	54	24-013011.0000	3.336
	Yes	57	24-013019.0000	0.566
Rick L. Tubaugh	Yes	24	24-031012.0000	0.177
Robert B. Piatt	Yes	19	24-031013.1000	0.123
	Yes	21	24-031013.0000	0.241
Rodney McFrederick, Trustee of the McFrederick Family Trust dated April 9, 2018	Yes	6	46-00165.000	1.262
	Yes	8	46-00106.000	20.675
	Yes	41	24-001048.0000	1.766
	Yes	44	24-001006.0000	21.760
Scott A. Bilyeu	Yes	29	24-031007.0000	0.346
	Yes	30	24-031006.1000	0.173
Scott D. Dague	Yes	13	24-001033.0000	0.240
Switzerland of Ohio Country Club, Inc. a/k/a Switzerland of Ohio Country Club ATTN: Bryan Duffy, President	Yes	10	46-00245.000	6.431
	Yes	12	24-001002.0000	8.230
	Yes	14	24-031017.0000	0.729
	Yes	15	24-031016.0000	0.732
	Yes	17	24-031015.0000	0.736
	Yes	18	24-031014.0000	0.369
Thomas R. Wagler and Judy L. Wagler, husband and wife	Yes	58	24-013023.0000	37.865
	Yes	59	24-013005.0000	2.388
Timothy McBride	Yes	56	24-013016.0000	0.316
Unknown Heirs or Assigns of Anna F. Workman (NPRI)	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
Unknown Heirs or Assigns of Cora E. Goudy (NPRI)	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
Unknown Heirs or Assigns of Elma M. Johnson	No	9	46-00017.000	0.766
	No	23	24-001037.0000	0.684
Unknown Heirs or Assigns of Grace M. Baker (NPRI)	Yes	57	24-013019.0000	0.566
	Yes	57	24-013019.0000	0.566
	Yes	57	24-013019.0000	0.566
Unknown Heirs or Assigns of Josephine Ralston (NPRI)	Yes	44	24-001006.0000	21.760
Unknown Heirs or Assigns of Lena F. Wheeler (NPRI)	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
Unknown Heirs or Assigns of Lowell M. McFrederick (NPRI)	Yes	6	46-00165.000	1.262
Unknown Heirs or Assigns of Marion W. Thomas (NPRI)	Yes	4a	46-00062.000	0.441
Unknown Heirs or Assigns of Marvin Johnson	No	9	46-00017.000	0.766
	No	23	24-001037.0000	0.684
Unknown Heirs or Assigns of Mary S. Goudy (NPRI)	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734

Unknown Heirs or Assigns of Patricia A. West	No	45a	24-002023.0000	0.125
	No	45b	24-002023.0000	17.793
	No	47	27-005004.0000	0.035
Unknown Heirs or Assigns of Rosa M. Baker (NPRI)	Yes	57	24-013019.0000	0.566
	Yes	57	24-013019.0000	0.566
	Yes	57	24-013019.0000	0.566
Unknown Heirs or Assigns of Thomas D. Gibbons (NPRI)	Yes	44	24-001006.0000	21.760
Unknown Heirs or Assigns or C. E. Johnson (NPRI)	Yes	43	24-001001.0000	2.945
Unknown Heirs or Assigns or James Thornberry (NPRI)	Yes	38	24-001001.2000	0.933
	No	39a	24-001042.0000	0.624
	Yes	40a	24-001005.0000	1.370
Unknown Heirs or Assigns of Jennie Johnson (NPRI)	Yes	42	24-001001.1000	10.213
	Yes	43	24-001001.0000	2.945
Village of Wilson ATTN: Aaron Burga, Mayor and Madde Stephen, Fiscal Officer	No	46	27-005006.0000	5.194
Virginia R. Kinney	Yes	16	24-001034.0000	1.517
William C. Westfall	Yes	55a	24-013007.0000	7.152
	Yes	55b	24-013007.0000	7.734
William T. Padgelek, Sr. and Martha Ann Padgelek, husband and wife	Yes	38	24-001001.2000	0.933
	Yes	42	24-001001.1000	10.213
	Yes	43	24-001001.0000	2.945

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: Gary Nuckolls	Yes	2	46-00135.000	30.081
	Yes	3	46-00135.001	11.162
	Yes	4a	46-00062.000	0.441
	Yes	4b	46-00062.000	4.697
	Yes	5	46-00220.000	55.338
	Yes	6	46-00165.000	1.262
	Yes	8	46-00106.000	20.675
	Yes	10	46-00245.000	6.431
	Yes	11	24-001017.0000	17.539
	Yes	13	24-001033.0000	0.240
	Yes	13	24-001033.0000	0.480
	Yes	13	24-001033.0000	0.480
	Yes	13	24-001033.0000	0.240
	Yes	16	24-001034.0000	1.517
	Yes	19	24-031013.1000	0.123
	Yes	19	24-031013.1000	0.123
	Yes	19	24-031013.1000	0.123
	Yes	21	24-031013.0000	0.241
	Yes	21	24-031013.0000	0.241
	Yes	21	24-031013.0000	0.241
	Yes	22	24-001015.0000	0.658
	Yes	24	24-031012.0000	0.177
	Yes	24	24-031012.0000	0.177
	Yes	24	24-031012.0000	0.177
	Yes	25	24-031011.0000	0.378
	Yes	25	24-031011.0000	0.378
	Yes	26	24-031010.0000	0.243
	Yes	26	24-031010.0000	0.243
	Yes	29	24-031007.0000	0.346
	Yes	29	24-031007.0000	0.346
	Yes	30	24-031006.1000	0.173
	Yes	30	24-031006.1000	0.173
	Yes	35	24-031041.0000	0.121
	Yes	36	24-031003.0000	0.018
	Yes	37	24-001038.0000	1.452
	Yes	38	24-001001.2000	0.933
	Yes	40a	24-001005.0000	1.370
	Yes	40b	24-001005.0000	19.334
	Yes	41	24-001048.0000	1.766
	Yes	42	24-001001.1000	10.213

SWN Production Company, LLC [cont'd] ATTN: Gary Nuckolls	Yes	43	24-001001.0000	2.945
	Yes	44	24-001006.0000	21.760
	Yes	48	24-013018.0000	7.552
	Yes	54	24-013011.0000	3.336
	Yes	54	24-013011.0000	3.336
	Yes	54	24-013011.0000	3.336
	Yes	55a	24-013007.0000	7.152
	Yes	55a	24-013007.0000	7.152
	Yes	55a	24-013007.0000	7.152
	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
	Yes	55b	24-013007.0000	7.734
	Yes	57	24-013019.0000	0.566
	Yes	57	24-013019.0000	0.566
	Yes	57	24-013019.0000	0.566
	Yes	58	24-013023.0000	37.865
	Yes	59	24-013005.0000	2.388
	Yes	60	24-013003.0000	10.569
Antero Resources Corporation ATTN: Tyler Skavdahl	Yes	31	24-031006.0000	0.345
	Yes	32	24-031005.0000	0.691
	Yes	33	24-031004.1000	0.138
	Yes	34	24-031040.0000	0.235
	Yes	45a	24-002023.0000	0.125
Gulfport Appalachia, LLC ATTN: John Winzeler	Yes	1	46-00236.000	1.593
	Yes	7	46-00458.000	1.330
	Yes	12	24-001002.0000	8.230
	Yes	14	24-031017.0000	0.729
	Yes	15	24-031016.0000	0.732
	Yes	17	24-031015.0000	0.736
	Yes	18	24-031014.0000	0.369
	Yes	27	24-031009.0000	0.230
	Yes	27	24-031009.0000	0.230
	Yes	27	24-031009.0000	0.230
	Yes	28	24-031008.0000	0.230
	Yes	28	24-031008.0000	0.230
	Yes	28	24-031008.0000	0.230
	Yes	45a	24-002023.0000	0.125
	Yes	45a	24-002023.0000	0.125
	Yes	45b	24-002023.0000	17.793
	Yes	45b	24-002023.0000	17.793
	Yes	45b	24-002023.0000	17.793
	Yes	47	27-005004.0000	0.035
	Yes	47	27-005004.0000	0.035
	Yes	47	27-005004.0000	0.035
	Yes	49	24-013017.0000	19.826
	Yes	50	24-013015.0000	4.509
	Yes	51	24-013008.1000	0.250
	Yes	52	24-013008.0000	0.835
	Yes	53	24-013009.0000	0.573
	Yes	56	24-013016.0000	0.316
	Yes	56	24-013016.0000	0.316

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 R. Reed, Sr. and Paulina J. Reed, husband and wife	Yes	19	24-031013.1000	0.092
	Yes	21	24-031013.0000	0.181
David Brian Johnson	No	9	46-00017.000	1.532
	No	23	24-001037.0000	1.367
Andrea J. Caughell	No	45a	24-002023.0000	0.125
	No	45b	24-002023.0000	17.793
	No	47	27-005004.0000	0.035

Charlene H. Clinger	Yes	45a	24-002023.0000	0.125
	Yes	45b	24-002023.0000	17.793
	Yes	47	27-005004.0000	0.035
Floyd G. Thornberry (NPRI)	Yes	38	24-001001.2000	0.933
	No	39a	24-001042.0000	0.624
	Yes	40a	24-001005.0000	1.370
Glenn Thornberry (NPRI)	Yes	38	24-001001.2000	0.933
	No	39a	24-001042.0000	0.624
	Yes	40a	24-001005.0000	1.370
Joanna E. Caughell	No	45a	24-002023.0000	0.125
	No	45b	24-002023.0000	17.793
	No	47	27-005004.0000	0.035
Michael L. Caughell, Jr.	No	45a	24-002023.0000	0.125
	No	45b	24-002023.0000	17.793
	No	47	27-005004.0000	0.035
Paul B. Thornberry (NPRI)	Yes	38	24-001001.2000	0.933
	No	39a	24-001042.0000	0.624
	Yes	40a	24-001005.0000	1.370
State of Ohio, Department of Taxation*	N/A	10	46-00245.000	6.431
	N/A	12	24-001002.0000	8.230
	N/A	14	24-031017.0000	0.729
	N/A	15	24-031016.0000	0.732
	N/A	17	24-031015.0000	0.736
	N/A	18	24-031014.0000	0.369
Tamara M. McKinney (NPRI)	Yes	55b	24-013007.0000	23.201
Unknown Heirs or Assigns of Carl H. West	No	45a	24-002023.0000	0.125
	No	45b	24-002023.0000	17.793
	No	47	27-005004.0000	0.035
Unknown Heirs or Assigns of Deborah McGeary	No	19	24-031013.1000	0.123
	No	21	24-031013.0000	0.241
Unknown Heirs or Assigns of Elaine K. West	No	45a	24-002023.0000	0.125
	No	45b	24-002023.0000	17.793
	No	47	27-005004.0000	0.035
William E. Chaney, Trustee (NPRI)	Yes	38	24-001001.2000	0.933
	No	39a	24-001042.0000	0.624
	Yes	40a	24-001005.0000	1.370

NPRI = Non-Participating Royalty Interest

*** Indicates a party who owns a lien burdening Tracts 10, 12, 14, 15, 17, and 18**