

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:	EAP Ohio, LLC	<i>Supplement</i>
2	Mailing Address:	14701 Bogert Parkway	<input type="checkbox"/>
3	City / State / Zip:	Oklahoma City OK 73134-2646	<input type="checkbox"/>
4	Office Phone:	(936) 200-4844	<input type="checkbox"/>
5	Email:	Eli_Vigil@eogresources.com	<input type="checkbox"/>
6	Landman Name:	Eli Vigil	<input type="checkbox"/>
7	Mailing Address:	14701 Bogert Parkway	<input type="checkbox"/>
8	City / State / Zip:	Oklahoma City OK 73134-2646	<input type="checkbox"/>
9	Office Phone:	(936) 200-4844	<input type="checkbox"/>
10	Email:	Eli_Vigil@eogresources.com	<input type="checkbox"/>
<i>If applicable</i>			
11	Attorney Name:	Jason Lucas	<input type="checkbox"/>
12	Firm Name:	Step toe & Johnson PLLC	<input type="checkbox"/>
13	Mailing Address:	41 South High Street, Suite 2200	<input type="checkbox"/>
14	City / State / Zip:	Columbus OH 43215	<input type="checkbox"/>
15	Office Phone:	(304) 312-3138	<input type="checkbox"/>
16	Email:	Jason.Lucas@step toe-johnson.com	<input type="checkbox"/>

Section 2. Unit Information *Required*

1	Unit Name:	R&D COOPER NBU A	
2	Unit Location: <i>Include all counties and townships</i>	Buffalo and Center Townships, Noble County	
3	Number of Tracts:	114	<i>Supplement</i>
4	Total Unit Area: <i>In acres</i>	1493.9911	<input type="checkbox"/>
5	(a) Number of Proposed Wells:	2	<input type="checkbox"/>
	(b) Number of Existing Permitted & Drilled Wells: <i>Please identify by API Number and Well Name.</i>	0	<input type="checkbox"/>

Section 2 Unit Information - continued

6	Identification of the proposed pool or part of a pool:	Utica/Point Pleasant	<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?	1036.1846	<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 checked="" type="checkbox"/> GPS <input 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> <input type="checkbox"/>
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 (MMS)	Capital Costs (MMS)	Undiscounted Value of Estimated Recovery (MMS)	PV0 (MMS)	PV10 (MMS)	Estimated Gross Recovery (BCFe)	Supplement
R&D COOPER NBU 1H	20044	27114	19.29	12.85	59.78	20.65	10.31	13.86	<input type="checkbox"/>
R&D COOPER NBU 3H	20040	27071	19.28	12.84	59.77	20.65	10.31	13.86	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	40084	54185	38.57	25.69	119.55	41.30	20.62	27.72	<input type="checkbox"/>

Non-Unitized Scenario

Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MMS)	Capital Costs (MMS)	Undiscounted Value of Estimated Recovery (MMS)	PV0 (MMS)	PV10 (MMS)	Estimated Gross Recovery (BCFe)	Supplement
R&D COOPER NBU 1H	6687	13757	9.31	5.46	19.94	4.72	2.09	4.63	<input type="checkbox"/>
R&D COOPER NBU 3H	1032	8064	5.09	2.40	3.08	(.55)	(1.21)	.71	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	7719	21821	14.40	7.86	23.02	4.17	.88	5.34	<input type="checkbox"/>

Difference

Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MMS)	Capital Costs (MMS)	Undiscounted Value of Estimated Recovery (MMS)	PV0 (MMS)	PV10 (MMS)	Estimated Gross Recovery (BCFe)	Supplement
R&D COOPER NBU 1H	13357	13357	9.98	7.39	39.84	15.93	8.22	9.23	<input type="checkbox"/>
R&D COOPER NBU 3H	19008	19007	14.19	10.44	56.69	21.20	11.52	13.15	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
Total:	32365	32364	24.17	17.83	96.53	37.13	19.74	22.38	<input type="checkbox"/>

Section 6. Attachments *Required*

Working Interest Approvals Form(s)

Applicant's Operating Agreement

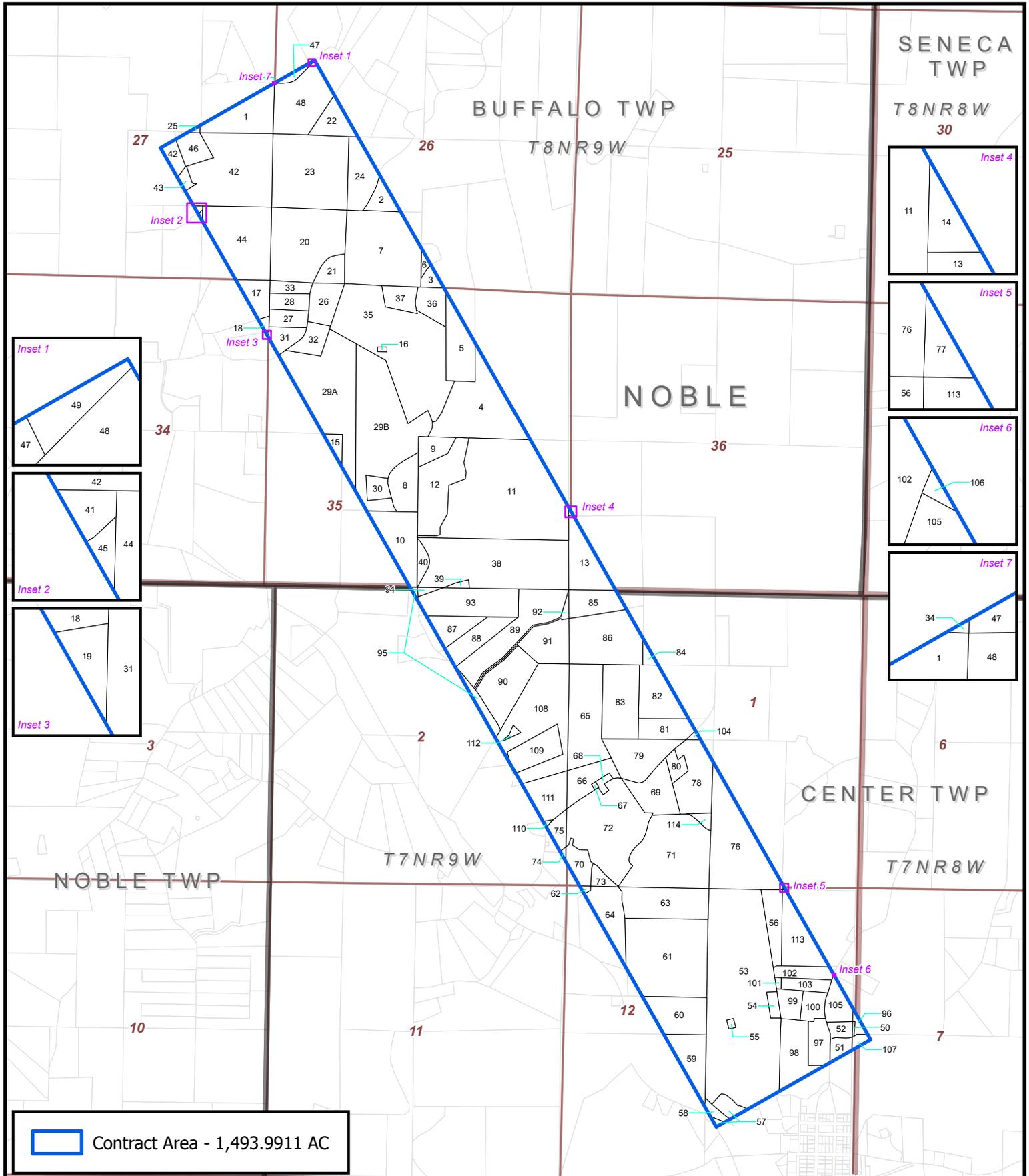
Affidavit of Operating Agreement *(if applicable)*

Georeferenced File

Optional only for requests to amend orders for unit operations

Supplement

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



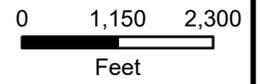
 Contract Area - 1,493.9911 AC



R&D Cooper NBU A Unit
Buffalo & Center Townships
Noble Co., OH

Exhibit B

1 inch = 2,300 feet



Tract Number	Tax Map Parcel ID	Surface Acres in Unit	Tract Number	Tax Map Parcel ID	Surface Acres in Unit
1	050050690000	15.9349	58	070021162001	1.7019
2	050021018001	4.7090	59	070021163002	11.5140
3	050021018002	2.3127	60	070021164000	14.9823
4	050021019000	33.5942	61	070021165000	46.0866
5	050021020000	14.0480	62	070021168000	0.4290
6	050021021000	1.0801	63	070021168001	20.0041
7	050021022000	39.3694	64	070021168002	12.5785
8	050021024000	10.4248	65	070021179000	26.4597
9	050021025000	5.6483	66	070021179001	9.3742
10	050021026000	16.4271	67	070021179002	0.2508
11	050021027000	75.9369	68	070021180000	1.2495
12	050021027001	21.6927	69	070021181000	12.7742
13	050021029000	14.3706	70	070021182000	6.0131
14	050021030000	0.1407	71	070021182001	39.3531
15	050021040000	2.4107	72	070021182002	40.4136
16	050021041000	0.3457	73	070021182003	2.5059
17	050021043000	6.5474	74	070021183000	0.3353
18	050021043001	0.8302	75	070021183001	3.7422
19	050021043004	0.0863	76	070021186000	36.3619
20	050021045000	36.1171	77	070021187002	0.0699
21	050021045001	5.0885	78	070021188000	17.2772
22	050021047000	7.6372	79	070021189000	16.2422
23	050021048000	41.6932	80	070021190000	3.2182
24	050021052000	12.5457	81	070021191000	8.2481
25	050021120000	0.3461	82	070021191001	13.7880
26	050050674000	8.6788	83	070021194000	20.3133
27	050050675000	5.0001	84	070021195000	1.5341
28	050050675001	4.9108	85	070021198000	9.5502
29A	050050676000	42.4412	86	070021198001	26.6548
29B	050050676000	49.6781	87	070021200000	7.4558
30	050050676001	3.8301	88	070021200001	10.0449
31	050050677000	5.1209	89	070021200002	23.9093
32	050050678000	6.1912	90	070021200003	18.4454
33	050050679000	3.7064	91	070021200004	13.6313
34	050050690001	0.0005	92	070021200005	2.1706
35	050050826000	64.5212	93	070021201000	19.9577
36	050050826001	6.8541	94	070021201001	0.9224
37	050050826002	5.8554	95	070050888001	4.1367
38	050050834000	52.6063	96	070050940000	1.3025
39	050050834001	0.9172	97	070050942000	7.2236
40	050050835000	2.7047	98	070050942001	13.9811
41	050050901001	0.3424	99	070050942002	5.0174
42	050050901002	44.9035	100	070050942003	5.0103
43	050050901003	1.5902	101	070050942004	0.4782
44	050050901004	30.3083	102	070050942005	5.3525
45	050050901006	0.1866	103	070050942006	4.5255
46	050050902000	6.1347	104	070050944000	0.4712
47	050050905000	1.5123	105	070050945000	6.5515
48	050050905001	22.0524	106	070050946000	0.0019
49	050050906000	0.0666	107	070050982000	1.3290
50	070021126000	0.2343	108	070050989000	35.1799
51	070021127000	3.0759	109	070050989001	10.7795
52	070021128000	2.8189	110	070050989002	0.2577
53	070021150000	104.5288	111	070050989003	11.1448
54	070021150001	2.0276	112	070050990000	0.6471
55	070021151000	0.4963	113	070051019000	14.5911
56	070021154000	8.5454	114	070051050000	1.5389
57	070021162000	3.7287			

EXHIBIT H
R&D Cooper NBU A Unit

Mineral Owner				
Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
Adam C. Daugherty and Deedra Daugherty, for their joint lives, remainder to the survivor of them	Y	47	050050905000	1.51230
Alan L. Miller and Lois M. Miller, husband and wife, as survivorship tenants	Y	77	070021187002	0.06990
Allied Mineral Managment Group, LLC (NPRI)**	Y	96	070050940000	**
ATTN: Robert Francis	Y	105	070050945000	**
Amanda A. Bennett	Y	19	050021043004	0.08630
Ashley N. Moore	Y	62	070021168000	0.21450
	Y	70	070021182000	3.00655
	Y	74	070021183000	0.16765
Bonnie Lou Warne and Kevin Robert Warne, married	Y	10	050021026000	4.10678
Bounty Minerals, LLC ATTN: Tracie R. Palmer	Y	48	050050905001	22.05240
Buffalo Black, LLC ATTN: Brady Schlabach	Y	37*	050050826002	0.29277
Charles L. Snode (aka Charles L. Snode, Jr.)	Y	84	070021195000	0.76705
Charles L. Snode and Sue E. Snode, for their joint lives, remainder to the survivor of them	Y	72	070021182002	20.20680
	Y	75	070021183001	1.87110
Charles L. Snode and Sue E. Snode, husband and wife, for their joint lives, remainder to the survivor of them	Y	64	070021168002	12.57850
	Y	73	070021182003	2.50590
Charles L. Snode, Jr. and Sue Ellen Snode, for their joint lives, remainder to the survivor of them	Y	63	070021168001	20.00410
	Y	71	070021182001	39.35310
Charles M. Webster, III, and Tara L. Webster, married	Y	66	070021179001	3.12473
	Y	111	070050989003	3.71493
Christine Roberts	Y	106	070050946000	0.00190
Crete Energy Company, LP ATTN: Unknown	Y	26*	050050674000	5.85819
Daniel E. Duniver and Melissa S. Duniver, husband and wife, for their joint lives, remainder to the survivor of them	Y	78	070021188000	17.27720
	Y	104	070050944000	0.47120
Darlene Baker	Y	40	050050835000	2.70470
David L. Cater and Tina L. Cater, married	Y	65	070021179000	26.45970
	Y	108	070050989000	35.17990
	Y	109	070050989001	10.77950
	Y	110	070050989002	0.12885
David L. Cater and Tina L. Cater, married	Y	112	070050990000	0.64710
Deborah Hesson	Y	10	050021026000	4.10678
Divot Acquisitions, LLC ATTN: Unknown	Y	26*	050050674000	1.95273
Donald Eugene West and Heather West, married	Y	10	050021026000	4.10678
Doubledown, LLC ATTN: David B. Schlabach	Y	37*	050050826002	5.56263
Elisabeth J. Rochus	Y	93	070021201000	9.97885
Ellen Homeister	Y	1*	050050690000	15.93490
EnerVest Ltd. ATTN: Andrew West	Y	12*	050021027001	21.69270
Family of God Church, Inc. ATTN: David Griffin	Y	67	070021179002	0.25080
	N	68	070021180000	1.24950
Frank E. Fetzer and Kathryn E. Fetzer, husband and wife, for their joint lives with the remainder to the survivor of them	Y	76	070021186000	36.36190
	N	114	070051050000	1.53890
Gary E. Cooper and Joyce A. Cooper, married	Y	17	050021043000	6.54740
Gary E. Cooper and Joyce A. Cooper, for their joint lives, remainder to the survivor of them	Y	18	050021043001	0.83020
Gary M. Sheaffer	Y	24	050021052000	12.54570

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
Gladys L. Smith, Life Estate	Y	53	070021150000	104.52880
	Y	55	070021151000	0.49630
	Y	56	070021154000	8.54540
	Y	113	070051019000	14.59110
Golden Eagle Resources II, LLC ATTN: Michael J. Faust	Y	41	050050901001	0.34240
	Y	44	050050901004	30.30830
	Y	45	050050901006	0.18660
Ivan Schlabach and Cindy Schlabach, husband and wife	Y	34	050050690001	0.00050
James E. Johnson	Y	51	070021127000	3.07590
Jamie S. Moore	Y	62	070021168000	0.21450
	Y	70	070021182000	3.00655
	Y	74	070021183000	0.16765
Jessica Miller fka Jessica Cater	Y	110	070050989002	0.06443
JoAnn Dermer	Y	97	070050942000	7.22360
Johnson Family Trust, dated April 5, 2018 ATTN: James E. Johnson, Trustee	Y	96	070050940000	1.30250
	Y	105	070050945000	6.55150
Josh Dimmerling	Y	33*	050050679000	3.70640
Kevin A. Webster and Michelle R. Webster, married	Y	66	070021179001	3.12473
	Y	111	070050989003	3.71493
Kevin R. VanFossen and Jennifer VanFossen, husband and wife, for their joint lives, remainder to the survivor of them	Y	32	050050678000	6.19120
Krystal Johnson-Wheeler	Y	8	050021024000	10.42480
L&N Investments, LLC ATTN: Unknown	Y	26*	050050674000	0.43394
Leslie A. Krenisky and Kevin L. Krenisky, married	Y	66	070021179001	3.12473
	Y	111	070050989003	3.71493
Lincoln Energy Partners VI, LLC ATTN: Jacob Coheley	N	107	070050982000	0.66450
Linda K. Van Fleet, Trustee	N	30	050050676001	3.83010
LL&B Headwater I, LP ATTN: Gordon H. Deen	Y	11*	050021027000	75.93690
Marcellica Resources, LLC ATTN: Tom Wilks	Y	26*	050050674000	0.43394
Marcie Watson	Y	57	070021162000	2.53287
Mark Mazgay and Tina L. Mazgay, husband and wife	Y	50	070021126000	0.23430
	Y	52	070021128000	2.81890
Martin L. Snode	Y	84	070021195000	0.76705
Matthew J. Schockling	Y	36	050050826001	6.85410
Michael J. Dimmerling and Valerie J. Dimmerling, husband and wife, for their joint lives, remainder to the survivor of them	Y	35*	050050826000	64.52120
Michael Thompson and Amanda Thompson, as joint tenants, remainder to the survivor of them	Y	93	070021201000	9.97885
Nelda Baker	Y	98	070050942001	13.98110
Priestley Family, LLC ATTN: Alicia Priestley Walker	Y	25*	050021120000	0.34610
Randy A. Cooper and Shirley E. Cooper, husband and wife, for their joint lives, remainder to the survivor of them	Y	46	050050902000	6.13470
Randy A. Cooper and Shirley E. Cooper, married	Y	42	050050901002	44.90350
	Y	43	050050901003	1.59020
Rivercrest Capital Partners II, LP ATTN: Unknown	N	27	050050675000	4.80010
	N	28	050050675001	4.71437
Robert H. Weaver and Amanda C. Weaver, husband and wife, for their joint lives, remainder to the survivor of them	Y	79	070021189000	16.24220
	Y	81	070021191000	8.24810
	Y	82	070021191001	13.78800
Robert Weaver and Amanda Weaver, husband and wife, for their joint lives, remainder to the survivor of them	Y	14	050021030000	0.14070
	Y	13	050021029000	14.3706

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
Robert Weaver and Amanda Weaver, husband and wife, with rights of survivorship	Y	85	070021198000	9.5502
	Y	86	070021198001	26.6548
	Y	87	070021200000	7.4558
	Y	88	070021200001	10.0449
	Y	89	070021200002	23.9093
	Y	90	070021200003	18.4454
	Y	91	070021200004	13.6313
	Y	92	070021200005	2.1706
Roger Clark Smith, Remainderman***	Y	53	070021150000	***
	Y	55	070021151000	***
	Y	56	070021154000	***
	Y	113	070051019000	***
Rose M. Taylor fka Rose M. O'Connell and Dale Taylor, wife and husband	Y	49	050050906000	0.06660
Roy Snodgrass	Y	69	070021181000	12.77420
Ryan Cater	Y	110	070050989002	0.06443
Ryan Moore and Bernie R. Antill, fka Bernie Moore, as joint tenants with right of survivorship	Y	39	050050834001	0.91720
S&D Gas and Oil, LLC ATTN: David L. Rochus	Y	38	050050834000	52.60630
	Y	94	070021201001	0.92240
Saling Minerals, LLC ATTN: Ronald Saling	Y	4	050021019000	33.59420
Sallie S. Duniver	Y	83	070021194000	20.31330
Siltstone Resources II, LLC ATTN: Michael J. Faust	Y	107	070050982000	0.66450
Siltstone Resources, LLC ATTN: Michael J. Faust	Y	57	070021162000	1.19583
Stanley D. Lucas and Katherine A. Lucas, husband and wife, for their joint lives, remainder to the survivor of them	Y	31	050050677000	5.12090
Stephen B. Watson and Denise M. Watson, husband and wife, for their joint lives remainder to the survivor of them	Y	58	070021162001	1.70190
	Y	59	070021163002	11.51400
	Y	60	070021164000	14.98230
	Y	61	070021165000	46.08660
Susan M. Glunt	Y	80	070021190000	3.21820
T3 Mineral Partners, LLC ATTN: Unknown	N	27	050050675000	0.20000
	N	28	050050675001	0.19643
TD MINERALS, LLC ATTN: Ben Larrabee	Y	7	050021022000	39.36940
Terry Lee West and Vicki West, during their joint lives, with the remainder to the survivor of them	Y	9	050021025000	5.64830
The Ciacci Family Trust, dated February 12, 2018 ATTN: David Lewis Ciacci and Janet Louise Ciacci, Co-Trustees	Y	99	070050942002	5.01740
	Y	100	070050942003	5.01030
	Y	101	070050942004	0.47820
	Y	102	070050942005	5.35250
	Y	103	070050942006	4.52550
The Elkins Real Estate Trust dated December 21, 2017 ATTN: Ivan Gale Elkins, Trustee	Y	22	050021047000	7.63720
	Y	23	050021048000	41.69320
The Linda K. Van Fleet Trust, dated October 16, 1992 ATTN: Linda K. Van Fleet, Trustee	Y	15	050021040000	2.41070
	Y	29A*	050050676000	42.44120
	Y	29B	050050676000	49.67810
The Methodist and Lutheran Churches ATTN: Mt. Zion Evangelical Lutheran Church	N	16	050021041000	0.34570
The Riggle Family Trust dated June 8, 1998 ATTN: Theodore Michael Riggle and Bonnie Jean Riggle, Co-Trustees	Y	20	050021045000	36.11710
	Y	21	050021045001	5.08850
The Timothy and Karen West Family Trust, dated August 30, 2023 ATTN: Timothy M. West and Karen A.	Y	2	050021018001	4.70900
	Y	3	050021018002	2.31270
	Y	5	050021020000	14.04800

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
West, Co-Trustees	Y	6	050021021000	1.08010
The Wayne W. Watson Living Trust dated February 15, 2019 ATTN: Deidra D. Leasure, Trustee	Y	72	070021182002	20.20680
	Y	75	070021183001	1.87110
Timothy Melvin West and Karen West, married	Y	10	050021026000	4.10678
Trina L. Woodland	Y	54	070021150001	2.02760
Trina L. Woodland (NPRI)**	Y	53	070021150000	**
	Y	55	070021151000	**
	Y	56	070021154000	**
	Y	113	070051019000	**

Working Interest Owners

Name	Leased Y or N	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
	Y	1*	050050690000	11.15443
	Y	2	050021018001	4.70900
	Y	3	050021018002	2.31270
	Y	4	050021019000	23.51594
	Y	5	050021020000	14.04800
	Y	6	050021021000	1.08010
	Y	7	050021022000	39.36940
	Y	8	050021024000	10.42480
	Y	9	050021025000	5.64830
	Y	10	050021026000	4.10678
	Y	10	050021026000	4.10678
	Y	10	050021026000	4.10678
	Y	10	050021026000	4.10678
	Y	13	050021029000	14.37060
	Y	15	050021040000	2.41070
	Y	17	050021043000	6.54740
	Y	18	050021043001	0.41510
	Y	18	050021043001	0.41510
	Y	19	050021043004	0.08630
	Y	20	050021045000	25.28197
	Y	21	050021045001	3.56195
	Y	22	050021047000	7.63720
	Y	23	050021048000	41.69320
	Y	24	050021052000	8.78199
	Y	25*	050021120000	0.24227
	Y	26*	050050674000	4.10073
	Y	26*	050050674000	1.36691
	Y	26*	050050674000	0.30376
	Y	26*	050050674000	0.30376
	Y	29B	050050676000	49.67810
	Y	31	050050677000	3.58463
	Y	32	050050678000	6.19120
	Y	33*	050050679000	2.59448
	Y	34	050050690001	0.00050
	Y	35*	050050826000	45.16484
	Y	36	050050826001	4.79787
	Y	37*	050050826002	3.89384
	Y	37*	050050826002	0.20494
	Y	38	050050834000	52.60630
	Y	39	050050834001	0.91720
	Y	40	050050835000	2.70470
	Y	42	050050901002	44.90350
	Y	43	050050901003	1.59020
	Y	46	050050902000	6.13470
	Y	47	050050905000	1.51230
	Y	48	050050905001	22.05240
	Y	49	050050906000	0.06660
	Y	50	070021126000	0.23430
	Y	51	070021127000	3.07590
	Y	52	070021128000	2.81890

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
ATTN: Dax Taylor	Y	57	070021162000	1.77301
	Y	58	070021162001	1.70190
	Y	59	070021163002	11.51400
	Y	60	070021164000	14.98230
	Y	61	070021165000	46.08660
	Y	63	070021168001	20.00410
	Y	64	070021168002	12.57850
	Y	69	070021181000	12.77420
	Y	71	070021182001	39.35310
	Y	72	070021182002	20.20680
	Y	72	070021182002	20.20680
	Y	73	070021182003	2.50590
	Y	75	070021183001	1.87110
	Y	75	070021183001	1.87110
	Y	77	070021187002	0.06990
	Y	78	070021188000	17.27720
	Y	79	070021189000	11.36954
	Y	81	070021191000	5.77367
	Y	82	070021191001	9.65160
	Y	83	070021194000	20.31330
	Y	84	070021195000	0.53694
	Y	84	070021195000	0.53694
	Y	85	070021198000	9.55020
	Y	86	070021198001	26.65480
	Y	87	070021200000	7.45580
	Y	88	070021200001	10.04490
	Y	89	070021200002	23.90930
	Y	90	070021200003	18.44540
	Y	91	070021200004	13.63130
	Y	92	070021200005	2.17060
	Y	93	070021201000	9.97885
	Y	93	070021201000	4.98943
	Y	93	070021201000	4.98943
	Y	94	070021201001	0.92240
	Y	95	070050888001	4.13670
	Y	96	070050940000	1.30250
	Y	96	070050940000	**
	Y	98	070050942001	13.98110
	Y	99	070050942002	5.01740
	Y	100	070050942003	5.01030
Y	101	070050942004	0.47820	
Y	102	070050942005	5.35250	
Y	103	070050942006	4.52550	
Y	104	070050944000	0.47120	
Y	105	070050945000	6.55150	
Y	105	070050945000	**	
Y	106	070050946000	0.00190	
Y	110	070050989002	0.06443	
EOG Resources, Inc. ATTN: Dax Taylor	Y	80	070021190000	3.21820
	Y	97	070050942000	5.77888
OGM Partners, LLC ATTN: Robert K. Greiner	Y	53	070021150000	3.13586
	Y	53	070021150000	***
	Y	53	070021150000	**
	Y	54	070021150001	0.06083
	Y	55	070021151000	0.01489
	Y	55	070021151000	***
	Y	55	070021151000	**
	Y	56	070021154000	0.25636
	Y	56	070021154000	***
	Y	56	070021154000	**
	Y	113	070051019000	0.43773
	Y	113	070051019000	***
	Y	113	070051019000	**
	Y	1*	050050690000	2.39024
	Y	4	050021019000	5.03913
	Y	20	050021045000	5.41757
	Y	21	050021045001	0.76328
	Y	24	050021052000	1.88186

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
Ironhead Resources III, LLC ATTN: Chris Rountree	Y	25*	050021120000	0.05192
	Y	26*	050050674000	0.87873
	Y	26*	050050674000	0.29291
	Y	26*	050050674000	0.06509
	Y	26*	050050674000	0.06509
	Y	31	050050677000	0.76814
	Y	33*	050050679000	0.55596
	Y	35*	050050826000	9.67818
	Y	36	050050826001	1.02812
	Y	37*	050050826002	0.83439
	Y	37*	050050826002	0.04392
	Y	57	070021162000	0.37993
	Y	76	070021186000	18.18095
	Y	79	070021189000	2.43633
	Y	81	070021191000	1.23722
	Y	82	070021191001	2.06820
	Y	84	070021195000	0.11506
	Y	84	070021195000	0.11506
Y	97	070050942000	0.72236	
Collins Utica, LLC ATTN: J. Patrick Collins	Y	1*	050050690000	1.19512
	Y	4	050021019000	2.51957
	Y	20	050021045000	2.70878
	Y	21	050021045001	0.38164
	Y	24	050021052000	0.94093
	Y	25*	050021120000	0.02596
	Y	26*	050050674000	0.43936
	Y	26*	050050674000	0.14645
	Y	26*	050050674000	0.03255
	Y	26*	050050674000	0.03255
	Y	31	050050677000	0.38407
	Y	33*	050050679000	0.27798
	Y	35*	050050826000	4.83909
	Y	36	050050826001	0.51406
	Y	37*	050050826002	0.41720
	Y	37*	050050826002	0.02196
	Y	57	070021162000	0.18997
	Y	76	070021186000	9.09048
	Y	79	070021189000	1.21817
	Y	81	070021191000	0.61861
Y	82	070021191001	1.03410	
Y	84	070021195000	0.05753	
Y	84	070021195000	0.05753	
Y	97	070050942000	0.36118	
Wallace Family Partnership, LP ATTN: Michael W. Wallace	Y	1*	050050690000	1.19512
	Y	4	050021019000	2.51957
	Y	20	050021045000	2.70878
	Y	21	050021045001	0.38164
	Y	24	050021052000	0.94093
	Y	25*	050021120000	0.02596
	Y	26*	050050674000	0.43936
	Y	26*	050050674000	0.14645
	Y	26*	050050674000	0.03255
	Y	26*	050050674000	0.03255
	Y	31	050050677000	0.38407
	Y	33*	050050679000	0.27798
	Y	35*	050050826000	4.83909
	Y	36	050050826001	0.51406
	Y	37*	050050826002	0.41720
	Y	37*	050050826002	0.02196
	Y	57	070021162000	0.18997
	Y	76	070021186000	9.09048
	Y	79	070021189000	1.21817
	Y	81	070021191000	0.61861
Y	82	070021191001	1.03410	
Y	84	070021195000	0.05753	
Y	84	070021195000	0.05753	
Y	97	070050942000	0.36118	
Expand Appalachia, LLC ATTN: Julie Woodard	Y	11*	050021027000	53.15583
	Y	12*	050021027001	15.18489
	Y	14	050021030000	0.09849
	Y	11*	050021027000	22.78107

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
CGAS Appalachia, LLC ATTN: Justin Caldwell	Y	12*	050021027001	6.50781
	Y	14	050021030000	0.04221
B&B Appalachia, LLC ATTN: Justin Caldwell	Y	29A*	050050676000	23.34266
A. W. Tipka Oil & Gas ATTN: Alan W. Tipka	Y	29A*	050050676000	14.85442
David R. Hill Inc. ATTN: David Hill	Y	29A*	050050676000	4.24412
Del Rio III SPV III, LLC ATTN: Jacob Coheley	Y	62	070021168000	0.21450
	Y	62	070021168000	0.21450
	Y	70	070021182000	3.00655
	Y	70	070021182000	3.00655
	Y	74	070021183000	0.16765
	Y	74	070021183000	0.16765
Del Rio III SPV, LLC ATTN: Jacob Coheley	Y	53	070021150000	76.04470
	Y	53	070021150000	***
	Y	53	070021150000	**
	Y	54	070021150001	1.47508
	Y	55	070021151000	0.36106
	Y	55	070021151000	***
	Y	55	070021151000	**
	Y	56	070021154000	6.21678
	Y	56	070021154000	***
	Y	56	070021154000	**
	Y	113	070051019000	10.61503
	Y	113	070051019000	***
	Y	113	070051019000	**
Del Rio III SC SPV I, LLC ATTN: Jacob Coheley	Y	53	070021150000	25.34823
	Y	53	070021150000	***
	Y	53	070021150000	**
	Y	54	070021150001	0.49169
	Y	55	070021151000	0.12035
	Y	55	070021151000	***
	Y	55	070021151000	**
	Y	56	070021154000	2.07226
	Y	56	070021154000	***
	Y	56	070021154000	**
	Y	113	070051019000	3.53834
	Y	113	070051019000	***
	Y	113	070051019000	**
MRI Energy, LLC ATTN: Unknown	Y	65	070021179000	26.45970
	Y	66	070021179001	3.12473
	Y	66	070021179001	3.12473
	Y	66	070021179001	3.12473
	Y	67	070021179002	0.25080
	Y	108	070050989000	35.17990
	Y	109	070050989001	10.77950
	Y	110	070050989002	0.12885
	Y	110	070050989002	0.06443
	Y	111	070050989003	3.71493
	Y	111	070050989003	3.71493
	Y	111	070050989003	3.71493
	Y	112	070050990000	0.64710
Cobalt Condor Operating, LLC ATTN: Michael Faust	Y	57	070021162000	1.19583
Cobalt Condor Operating II, LLC ATTN: Michael Faust	Y	41	050050901001	0.34240
	Y	44	050050901004	30.30830
	Y	45	050050901006	0.18660
Northern Oil and Gas, Inc. ATTN: Adam Dirlam	Y	107	070050982000	0.66450

Potential Mineral Interest and Working Interest Owners

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
The Unknown Heirs, Devisees, or Legatees of Betty June Cater	N	65	070021179000	11.02488

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
The Unknown Heirs, Devisees, or Legatees of Betty June Cater	N	67	070021179002	0.10450
Expand Appalachia, LLC	Y	79	070021189000	4.87266
Expand Appalachia, LLC	Y	81	070021191000	2.47443
Expand Appalachia, LLC	Y	82	070021191001	4.13640
The Unknown Heirs, Devisees, or Legatees of Betty June Cater	N	108	070050989000	14.65829
The Unknown Heirs, Devisees, or Legatees of Betty June Cater	N	109	070050989001	4.49146
The Unknown Heirs, Devisees, or Legatees of Betty June Cater	N	110	070050989002	0.10738
The Unknown Heirs, Devisees, or Legatees of Betty June Cater	N	111	070050989003	4.64367

****NON-PARTICIPATING ROYALTY INTEREST OWNER**

*****REMAINDERMAN** - Under Ohio Law, an oil and gas lease must be granted by the life tenant and remainderman. The life tenant has the present interest and the minerals are attributed accordingly herein. At the termination of the life tenancy, the remainderman's interest vest.