

# 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](mailto: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](mailto: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		<i>Supplement</i>
2 Mailing Address:	3501 NW 63rd Street		
3 City / State / Zip:	Oklahoma City	OK	73116
4 Office Phone:	405-608-5544		
5 Email:	blake.biggs@ascentresources.com		
6 Landman Name:	Blake Biggs		
7 Mailing Address:	3501 NW 63rd Street		
8 City / State / Zip:	Oklahoma City	OK	73116
9 Office Phone:	405-252-7897		
10 Email:	blake.biggs@ascentresources.com		
<i>If applicable</i>			
11 Attorney Name:	Paul B. Westbrook		
12 Firm Name:	Harris, Finley & Bogle, P.C.		
13 Mailing Address:	777 Main Street, Suite 1800		
14 City / State / Zip:	Fort Worth	TX	76102
15 Office Phone:	817-870-8700		
16 Email:	pwestbrook@hfblaw.com		

### Section 2. Unit Information *Required*

1 Unit Name:	RH Sparger SW NTG HR Unit		
2 Unit Location: <i>Include all counties and townships</i>	Nottingham and Moorefield Townships, Harrison County, Ohio		
3 Number of Tracts:	52		
4 Total Unit Area: <i>In acres</i>	465.366		
5 (a) Number of Proposed Wells:	1		
(b) Number of Existing Permitted & Drilled Wells: <i>Please identify by API Number and Well Name.</i>	None		

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?	370.641	<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: <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span>	<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 <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span>	<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 <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 (MM\$)	Capital Costs (MM\$)	Undiscounted Value of Estimated Recovery (MM\$)	PV0 (MM\$)	PV10 (MM\$)	Estimated Gross Recovery (BCFe)	Supplement
RH SPARGER SW NTG HR 2H	16,886	26,879	23.09	10.80	69.03	34.55	16.26	11.44	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
<b>Total:</b>	16,886	26,879	23.09	10.80	69.03	34.55	16.26	11.44	<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
RH SPARGER SW NTG HR 2H	8,453	18,446	12.46	7.34	34.55	14.33	6.17	5.73	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
<b>Total:</b>	8,453	18,446	12.46	7.34	34.55	14.33	6.17	5.73	<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
RH SPARGER SW NTG HR 2H	8,433	8,433	10.63	3.46	34.48	20.22	10.09	5.71	<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
									<input type="checkbox"/>
<b>Total:</b>	8,433	8,433	10.63	3.46	34.48	20.22	10.09	5.71	<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 Blake Biggs (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, etc.).

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

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

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

	<u>Blake Biggs</u>	<u>District Landman</u>
SIGNATURE	PRINT NAME	TITLE

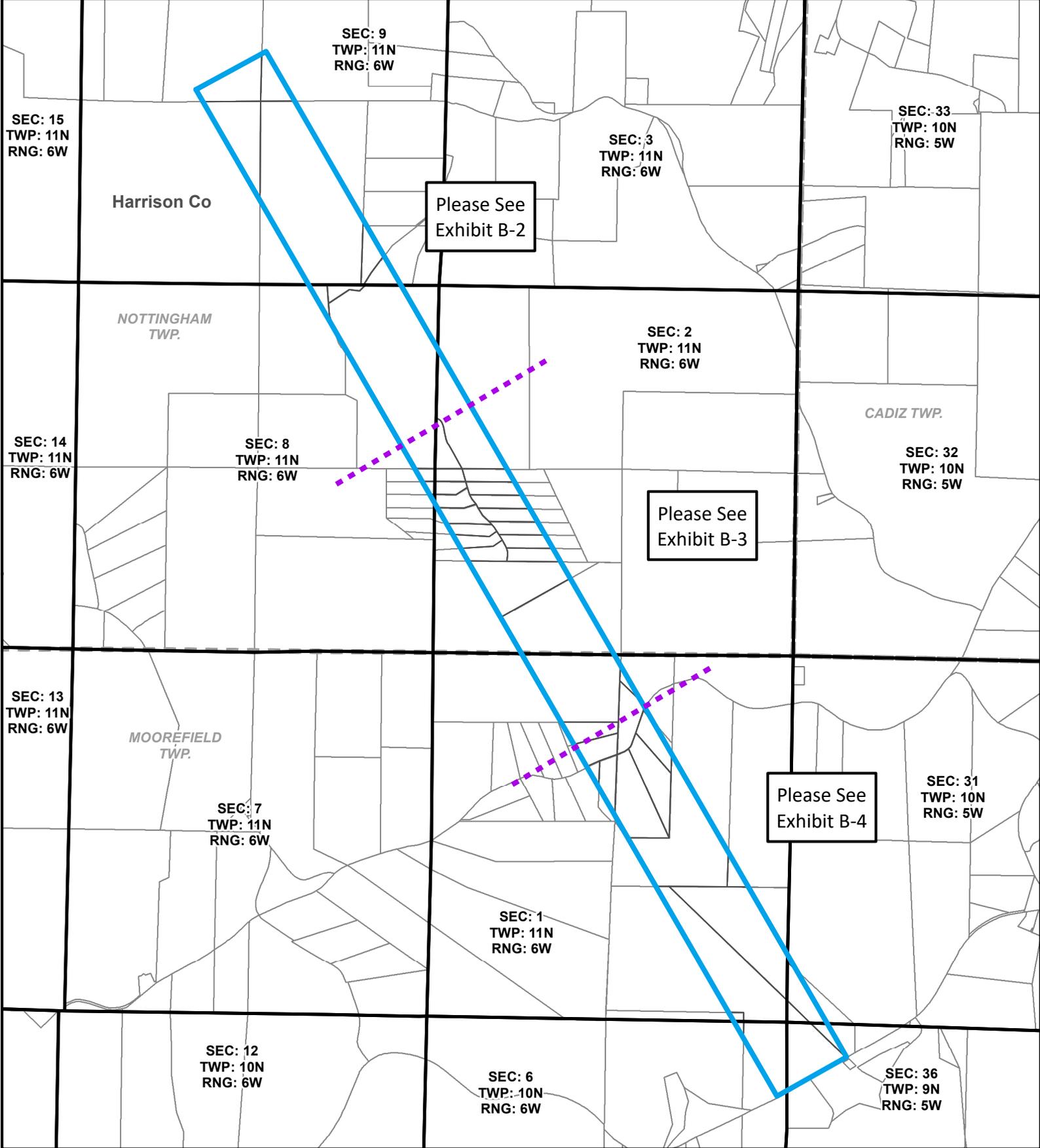
STATE OF Oklahoma  
 COUNTY OF Oklahoma

Sworn to before me and subscribed in my presence on this 7<sup>th</sup> day of August, 2025.  
MONTH YEAR

NOTARY SEAL

  
NOTARY PUBLIC

My commission expires 10/28/2026.



**RH SPARGER SW NTG HR  
EXHIBIT B-1**

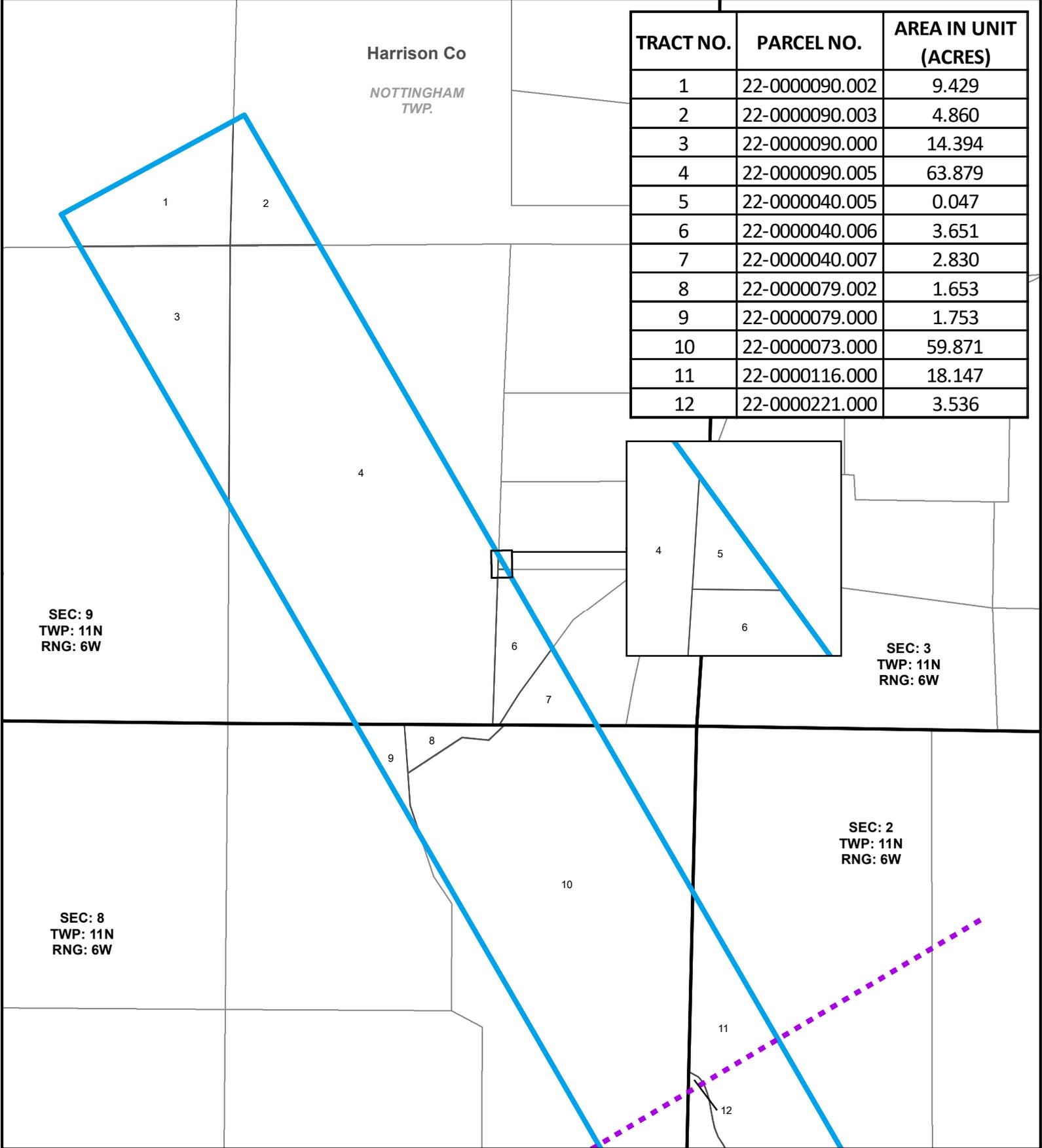


1 in = 1,850 ft

- RH SPARGER SW NTG HR - 465.366 Ac
- Counties
- Townships
- PLSS Section
- Tax Parcels

Harrison Co  
 NOTTINGHAM TWP.

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
1	22-0000090.002	9.429
2	22-0000090.003	4.860
3	22-0000090.000	14.394
4	22-0000090.005	63.879
5	22-0000040.005	0.047
6	22-0000040.006	3.651
7	22-0000040.007	2.830
8	22-0000079.002	1.653
9	22-0000079.000	1.753
10	22-0000073.000	59.871
11	22-0000116.000	18.147
12	22-0000221.000	3.536



SEC: 9  
 TWP: 11N  
 RNG: 6W

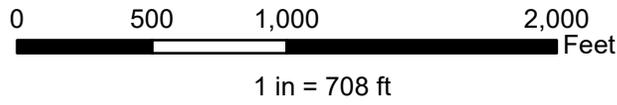
SEC: 3  
 TWP: 11N  
 RNG: 6W

SEC: 8  
 TWP: 11N  
 RNG: 6W

SEC: 2  
 TWP: 11N  
 RNG: 6W



RH SPARGER SW NTG HR  
 EXHIBIT B-2



- RH SPARGER SW NTG HR - 465.366 Ac
- Counties
- Townships
- PLSS Section
- Tax Parcels

NOTTINGHAM  
TWP.

Harrison Co

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
10	22-0000073.000	59.871
11	22-0000116.000	18.147
12	22-0000221.000	3.536
13	22-0000220.004	3.028
14	22-0000220.001	1.862
15	22-0000219.001	1.055
16	22-0000219.002	0.575
17	22-0000220.009	1.914
18	22-0000220.005	3.378
19	22-0000220.006	3.470
20	22-0000220.010	2.698
21	22-0000219.003	0.109
22	22-0000220.011	3.515
23	22-0000220.007	3.385
24	22-0000220.008	3.132
25	22-0000220.012	2.563
26	22-0000220.013	2.587
27	22-0000220.003	3.077
28	22-0000220.002	3.299
29	22-0000220.014	3.214
30a	22-0000196.000	16.888
30b	22-0000196.000	26.079
31	17-0000253.000	26.399
32	17-0000060.001	0.857
34	17-0000251.006	4.382
35	17-0000060.005	6.055
37	17-0000251.007	4.392

SEC: 8  
TWP: 11N  
RNG: 6W

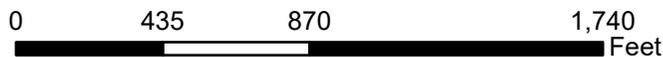
SEC: 2  
TWP: 11N  
RNG: 6W

SEC: 1  
TWP: 11N  
RNG: 6W

MOOREFIELD  
TWP.

SEC: 7  
TWP: 11N  
RNG: 6W

### RH SPARGER SW NTG HR EXHIBIT B-3



1 in = 567 ft



NAD 1927 UTM Zone 17N

- RH SPARGER SW NTG HR - 465.366 Ac
- Counties
- Townships
- PLSS Section
- Tax Parcels



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
33	17-000060.004	0.108
34	17-0000251.006	4.382
35	17-000060.005	6.055
36	17-000060.000	4.450
37	17-0000251.007	4.392
38	17-0000251.001	0.845
39	17-0000251.003	3.750
40	17-000060.002	13.898
41	17-000060.003	9.111
42	17-000099.006	31.418
43	17-000099.007	1.884
44	17-000099.009	27.197
45	17-000055.004	0.127
46a	17-000099.008	28.203
46b	17-000099.008	0.559
47	17-000055.016	5.385
48	17-000055.005	1.273
49	17-0000821.000	0.398
50	17-0000819.000	11.196
51	17-000033.002	12.112
52	17-000033.004	1.489



RH SPARGER SW NTG HR  
EXHIBIT B-4



1 in = 642 ft

- RH SPARGER SW NTG HR - 465.366 Ac
- Counties
- Townships
- PLSS Section
- Tax Parcels

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)	EXHIBIT
1	22-0000090.002	9.429	B-2
2	22-0000090.003	4.860	B-2
3	22-0000090.000	14.394	B-2
4	22-0000090.005	63.879	B-2
5	22-0000040.005	0.047	B-2
6	22-0000040.006	3.651	B-2
7	22-0000040.007	2.830	B-2
8	22-0000079.002	1.653	B-2
9	22-0000079.000	1.753	B-2
10	22-0000073.000	59.871	B-2/B-3
11	22-0000116.000	18.147	B-2/B-3
12	22-0000221.000	3.536	B-2/B-3
13	22-0000220.004	3.028	B-3
14	22-0000220.001	1.862	B-3
15	22-0000219.001	1.055	B-3
16	22-0000219.002	0.575	B-3
17	22-0000220.009	1.914	B-3
18	22-0000220.005	3.378	B-3
19	22-0000220.006	3.470	B-3
20	22-0000220.010	2.698	B-3
21	22-0000219.003	0.109	B-3
22	22-0000220.011	3.515	B-3
23	22-0000220.007	3.385	B-3
24	22-0000220.008	3.132	B-3
25	22-0000220.012	2.563	B-3
26	22-0000220.013	2.587	B-3
27	22-0000220.003	3.077	B-3
28	22-0000220.002	3.299	B-3
29	22-0000220.014	3.214	B-3
30a	22-0000196.000	16.888	B-3
30b	22-0000196.000	26.079	B-3
31	17-0000253.000	26.399	B-3
32	17-0000060.001	0.857	B-3
33	17-0000060.004	0.108	B-4
34	17-0000251.006	4.382	B-3/B-4
35	17-0000060.005	6.055	B-3/B-4
36	17-0000060.000	4.450	B-4
37	17-0000251.007	4.392	B-3/B-4
38	17-0000251.001	0.845	B-4
39	17-0000251.003	3.750	B-4
40	17-0000060.002	13.898	B-4
41	17-0000060.003	9.111	B-4
42	17-0000099.006	31.418	B-4
43	17-0000099.007	1.884	B-4
44	17-0000099.009	27.197	B-4
45	17-0000055.004	0.127	B-4
46a	17-0000099.008	28.203	B-4
46b	17-0000099.008	0.559	B-4
47	17-0000055.016	5.385	B-4
48	17-0000055.005	1.273	B-4
49	17-0000821.000	0.398	B-4
50	17-0000819.000	11.196	B-4
51	17-0000033.002	12.112	B-4
52	17-0000033.004	1.489	B-4
TOTALS:		465.366	

## RH SPARGER SW NTG HR MAP TABLE



**Exhibit H****Mineral Owners**

<b>Name</b>	<b>Leased Yes or No</b>	<b>Tract Number(s)</b>	<b>Tax Map Parcel ID(s)</b>	<b>Surface Acres in Unit</b>
RHDK Investments, LLC Attn: Matt Berkeley, Land Manager	Yes	1	22-0000090.002	9.429
		2	22-0000090.003	2.430
		3	22-0000090.000	14.394
		4	22-0000090.005	63.879
		8	22-0000079.002	1.653
Edward M. Barger and Carol Barger, husband and wife	Yes	2	22-0000090.003	0.608
George Barger and Safina Barger, husband and wife	Yes	2	22-0000090.003	0.608
Raye Ann Campbell	Yes	2	22-0000090.003	0.406
Walter J. Winski, Jr. and Vickie Lee Winski, husband and wife, as survivorship tenants	Yes	2	22-0000090.003	0.406
LMHR, LLC Attn: Scott Campbell, Managing Member	Yes	2	22-0000090.003	0.403
Jones Family Trust dated July 20, 2006 Attn: John C. Jones, Trustee	Yes	5	22-0000040.005	0.047
		6	22-0000040.006	3.651
		10	22-0000073.000	59.871
		11	22-0000116.000	18.147
Bryan W. Adams and Michele Adams, husband and wife, as survivorship tenants	Yes	7	22-0000040.007	2.830
Red Hill Farm Trust dated 12/30/1987 Attn: Randy Raber, Thomas Perkowski and Eric Kimble, Trustees	Yes	9	22-0000079.000	1.753
Tina Renee Adrain and Scott Barnhart, wife and husband	Yes	12	22-0000221.000	1.768
Kimberly Ann Huffman	Yes	12	22-0000221.000	1.768
Chris G. Moore and Kathleen M. Moore, husband and wife, as survivorship tenants	Yes	13	22-0000220.004	3.028
Dusty Paul Thompson	Yes	14	22-0000220.001	0.931
		15	22-0000219.001	0.528
Joshua Shane Thompson	Yes	14	22-0000220.001	0.931
		15	22-0000219.001	0.528
John V. Murphy	Yes	16	22-0000219.002	0.575
		17	22-0000220.009	1.914
		20	22-0000220.010	2.698
		21	22-0000219.003	0.109
Shawn Sheehan	Yes	18	22-0000220.005	3.378
Robert A. Martin	Yes	19	22-0000220.006	1.735
Joshua A. Myers	Yes	19	22-0000220.006	1.735
John Murphy	Yes	22	22-0000220.011	3.515
William L. Adamini and Sandra L. Adamini, as survivorship tenants	Yes	23	22-0000220.007	3.385
Timberwolf Minerals, LLC Attn: Doyle Williams, Manager	Yes	24	22-0000220.008	3.132
AMP Fund III, LP Attn: Phillip Thomas, COO	Yes	25	22-0000220.012	2.563
		26	22-0000220.013	2.587

Elk Run Reserve, LLC Attn: Brian Lewis, Member	Yes	27	22-0000220.003	3.077
		28	22-0000220.002	3.299
		29	22-0000220.014	3.214
Elk Run Reserve, LLC Attn: Brian Lewis, Member  The Dickerson Keystone Inheritance Trust, dated January 15, 2007 (Entireties Owner) Attn: Amanda D. Clancy, Trustee or her Successor(s) as Trustees Steven D. Lehner (Entireties Owner) Robert Bruce Lehner (Entireties Owner) Kathy Taulbee (Entireties Owner)	Yes	30a	22-0000196.000	8.444
		30b	22-0000196.000	13.040
		31	17-0000253.000	13.200
The Dickerson Keystone Inheritance Trust, dated January 15, 2007 Attn: Amanda D. Clancy, Trustee or her Successor(s) as Trustees  Elk Run Reserve, LLC (Entireties Owner) Attn: Brian Lewis, Member Steven D. Lehner (Entireties Owner) Robert Bruce Lehner (Entireties Owner) Kathy Taulbee (Entireties Owner)	Yes	30a	22-0000196.000	4.222
		30b	22-0000196.000	6.520
		31	17-0000253.000	6.600
Steven D. Lehner  Elk Run Reserve, LLC (Entireties Owner) Attn: Brian Lewis, Member The Dickerson Keystone Inheritance Trust, dated January 15, 2007 (Entireties Owner) Attn: Amanda D. Clancy, Trustee or her Successor(s) as Trustees Robert Bruce Lehner (Entireties Owner) Kathy Taulbee (Entireties Owner)	Yes	30a	22-0000196.000	1.407
		30b	22-0000196.000	2.173
		31	17-0000253.000	2.200
Robert Bruce Lehner  Elk Run Reserve, LLC (Entireties Owner) Attn: Brian Lewis, Member The Dickerson Keystone Inheritance Trust, dated January 15, 2007 (Entireties Owner) Attn: Amanda D. Clancy, Trustee or her Successor(s) as Trustees Steven D. Lehner (Entireties Owner) Kathy Taulbee (Entireties Owner)	Yes	30a	22-0000196.000	1.407
		30b	22-0000196.000	2.173
		31	17-0000253.000	2.200

<p>Kathy Taulbee</p> <p>Elk Run Reserve, LLC (Entireties Owner) Attn: Brian Lewis, Member</p> <p>The Dickerson Keystone Inheritance Trust, dated January 15, 2007 (Entireties Owner) Attn: Amanda D. Clancy, Trustee or her Successor(s) as Trustees</p> <p>Steven D. Lehner (Entireties Owner) Robert Bruce Lehner (Entireties Owner)</p>	Yes	30a	22-0000196.000	1.407
		30b	22-0000196.000	2.173
		31	17-0000253.000	2.200
<p>Appalachian Basin Minerals, LP Attn: Z. Hunter Hill, Manager</p>	No	32	17-0000060.001	0.643
		33	17-0000060.004	0.081
		35	17-0000060.005	4.541
		36	17-0000060.000	3.338
		40	17-0000060.002	10.424
<p>PennMarc Resources II, LP Attn: PennMarc Resources Management, LLC, Managing Partner, by Z. Hunter Hill, Manager</p>	No	41	17-0000060.003	6.833
		32	17-0000060.001	0.182
		33	17-0000060.004	0.023
		35	17-0000060.005	1.287
		36	17-0000060.000	0.946
<p>Wildes Mineral Interests, LLC Attn: Brian Wildes, Manager</p>	No	40	17-0000060.002	2.953
		41	17-0000060.003	1.936
		32	17-0000060.001	0.017
		33	17-0000060.004	0.002
		35	17-0000060.005	0.121
<p>McCrow Energy Partners II, LLC Attn: Peter Crow, Manager</p>	No	36	17-0000060.000	0.089
		40	17-0000060.002	0.278
		41	17-0000060.003	0.182
		32	17-0000060.001	0.015
		33	17-0000060.004	0.002
<p>Allen L. Miller and Lois Miller, husband and wife, as survivorship tenants</p>	Yes	35	17-0000060.005	0.106
		36	17-0000060.000	0.078
<p>Christopher P. Roliff Declaration of Trust dated February 22, 1999 Attn: Christopher P. Roliff, or his successor, as Trustee</p>	Yes	40	17-0000060.002	0.243
		41	17-0000060.003	0.159
<p>Bernard A. Brazis</p>	Yes	34	17-0000251.006	4.382
<p>The Unknown Heirs, Devisees, Successors and/or Assigns of Linda Brazis, deceased</p>	Yes	37	17-0000251.007	4.392
<p>Logan Ridge, LLC Attn: Patricia Weber Seibert, President</p>	Yes	38	17-0000251.001	0.845
		39	17-0000251.003	1.875
		42	17-0000099.006	11.782
		43	17-0000099.007	0.707
<p>A&amp;J Belco Resources, LLC Attn: James F. Dietz, Managing Member</p>	Yes	44	17-0000099.009	10.199
		46a	17-0000099.008	10.576
		42	17-0000099.006	7.855
		43	17-0000099.007	0.471
		44	17-0000099.009	6.799
		46a	17-0000099.008	7.051

Christina Robson and Ronald Robson, wife and husband	Yes	42	17-0000099.006	2.945
		43	17-0000099.007	0.177
		44	17-0000099.009	2.550
		46a	17-0000099.008	2.644
Hutchinson Iles, LLC Attn: Sarah Iles Johnston, Member	Yes	42	17-0000099.006	2.945
		43	17-0000099.007	0.177
		44	17-0000099.009	2.550
		46a	17-0000099.008	2.644
Robert M. Iles and Eric A. Rudolph, a married couple	Yes	42	17-0000099.006	2.945
		43	17-0000099.007	0.177
		44	17-0000099.009	2.550
		46a	17-0000099.008	2.644
James J. Iles and Wayne Johnson, a married couple	Yes	42	17-0000099.006	2.945
		43	17-0000099.007	0.177
		44	17-0000099.009	2.550
		46a	17-0000099.008	2.644
Dennis E. Myers and Susan A. Myers, husband and wife, as survivorship tenants	Yes	45	17-0000055.004	0.127
<p>Logan Ridge, LLC Attn: Patricia Weber Seibert, President</p> <p>A&amp;J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager</p>	Yes	46b	17-0000099.008	0.210
	<p>Christina Robson and Ronald Robson, wife and husband (Entireties Owner)</p> <p>Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member</p> <p>Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	Yes	49	17-0000821.000

<p>A&amp;J Belco Resources, LLC Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) Attn: Jo. E. Mako, Manager</p> <p>Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President</p> <p>Christina Robson and Ronald Robson, wife and husband (Entireties Owner)</p> <p>Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member</p> <p>Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	Yes	46b	17-0000099.008	0.140
<p>Christina Robson and Ronald Robson, wife and husband</p> <p>Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President</p> <p>A&amp;J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager</p> <p>Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member</p> <p>Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	Yes	49	17-0000821.000	0.100
<p>Christina Robson and Ronald Robson, wife and husband</p> <p>Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President</p> <p>A&amp;J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager</p> <p>Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member</p> <p>Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	Yes	46b	17-0000099.008	0.052
<p>Christina Robson and Ronald Robson, wife and husband</p> <p>Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President</p> <p>A&amp;J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager</p> <p>Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member</p> <p>Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	Yes	49	17-0000821.000	0.037

<p>Hutchinson Iles, LLC Attn: Sarah Iles Johnston, Member</p> <p>Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President</p> <p>A&amp;J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager</p> <p>Christina Robson and Ronald Robson, wife and husband (Entireties Owner)</p> <p>Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	<p>Yes</p>	<p>46b</p> <p>49</p>	<p>17-0000099.008</p> <p>17-0000821.000</p>	<p>0.052</p> <p>0.037</p>
<p>Robert M. Iles and Eric A. Rudolph, a married couple</p> <p>Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President</p> <p>A&amp;J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member</p> <p>ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager</p> <p>GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager</p> <p>GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager</p> <p>KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager</p> <p>JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager</p> <p>Christina Robson and Ronald Robson, wife and husband (Entireties Owner)</p> <p>Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member</p> <p>James J. Iles and Wayne Johnson, a married couple (Entireties Owner)</p>	<p>Yes</p> <p>Yes</p>	<p>46b</p> <p>49</p>	<p>17-0000099.008</p> <p>17-0000821.000</p>	<p>0.052</p> <p>0.037</p>

James J. Iles and Wayne Johnson, a married couple  Logan Ridge, LLC (Entireties Owner) Attn: Patricia Weber Seibert, President A&J Belco Resources, LLC (Entireties Owner) Attn: James F. Dietz, Managing Member ESK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Eric S. Kimble, Manager GDK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gary D. Kimble, Manager GWK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Gregory W. Kimble, Manager KBK ORI, LLC (NPRI Only) (Entireties Owner) Attn: Keith B. Kimble, Manager JEM ORI, LLC (NPRI Only) (Entireties Owner) Attn: Jo. E. Mako, Manager Christina Robson and Ronald Robson, wife and husband (Entireties Owner) Hutchinson Iles, LLC (Entireties Owner) Attn: Sarah Iles Johnston, Member Robert M. Iles and Eric A. Rudolph, a married couple (Entireties Owner)	Yes	46b	17-0000099.008	0.052
	Yes	49	17-0000821.000	0.037
Ryan Williams and Rachel Kytka, husband and wife	Yes	47	17-0000055.016	1.795
		52	17-0000033.004	0.496
Francis D. Keilbach and Kelly D. Keilbach, husband and wife	Yes	47	17-0000055.016	1.795
		52	17-0000033.004	0.496
Mark A. Smitley and Lindy Smitley, husband and wife	Yes	47	17-0000055.016	1.795
		52	17-0000033.004	0.496
Wesley L. Mayle Living Trust Attn: Wesley L. Mayle, Trustee	Yes	48	17-0000055.005	1.273
		51	17-0000033.002	12.112
Vine Royalty, LP Attn: Adam R. Cox, VP of Land, Crescent Mineral Partners	Yes	50	17-0000819.000	11.196
<b>Working Interest Owners</b>				
Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID	Surface Acres in Unit
		1	22-0000090.002	7.072
		2	22-0000090.003	3.645
		3	22-0000090.000	10.796
		4	22-0000090.005	47.909
		5	22-0000040.005	0.047
		6	22-0000040.006	3.651
		7	22-0000040.007	2.830
		8	22-0000079.002	1.240
		9	22-0000079.000	1.315
		10	22-0000073.000	44.903
		11	22-0000116.000	18.147
		12	22-0000221.000	3.536

Ascent Resources Utica, LLC	Yes	13	22-0000220.004	3.028		
		14	22-0000220.001	1.397		
		15	22-0000219.001	0.791		
		16	22-0000219.002	0.431		
		17	22-0000220.009	1.436		
		18	22-0000220.005	2.534		
		19	22-0000220.006	2.603		
		20	22-0000220.010	2.024		
		21	22-0000219.003	0.082		
		22	22-0000220.011	2.636		
		23	22-0000220.007	2.539		
		24	22-0000220.008	3.132		
		25	22-0000220.012	1.922		
		26	22-0000220.013	1.940		
		27	22-0000220.003	3.077		
		28	22-0000220.002	3.299		
		29	22-0000220.014	3.214		
		30a	22-0000196.000	12.666		
		38	17-0000251.001	0.423		
		42	17-0000099.006	31.418		
		43	17-0000099.007	1.884		
		44	17-0000099.009	27.197		
		45	17-0000055.004	0.127		
		46a	17-0000099.008	28.203		
		46b	17-0000099.008	0.419		
		47	17-0000055.016	5.385		
		48	17-0000055.005	1.273		
		51	17-0000033.002	12.112		
		52	17-0000033.004	1.489		
		RHDK Oil & Gas, LLC	Yes	1	22-0000090.002	2.357
				2	22-0000090.003	1.215
				3	22-0000090.000	3.599
4	22-0000090.005			15.970		
8	22-0000079.002			0.413		
9	22-0000079.000			0.438		
10	22-0000073.000			14.968		
14	22-0000220.001			0.466		
15	22-0000219.001			0.264		
16	22-0000219.002			0.144		
17	22-0000220.009			0.479		
18	22-0000220.005			0.845		
19	22-0000220.006			0.868		
20	22-0000220.010			0.675		
21	22-0000219.003			0.027		
22	22-0000220.011			0.879		
23	22-0000220.007			0.846		
25	22-0000220.012			0.641		
26	22-0000220.013			0.647		
30a	22-0000196.000			4.222		
38	17-0000251.001	0.423				
46b	17-0000099.008	0.140				
EAP Ohio, LLC	Yes	30b	22-0000196.000	19.559		
		31	17-0000253.000	19.799		
		34	17-0000251.006	3.287		
		37	17-0000251.007	3.294		
		39	17-0000251.003	2.813		
		49	17-0000821.000	0.299		

Burj Energy, LLC	Yes	30b	22-0000196.000	6.520
		31	17-0000253.000	6.600
		34	17-0000251.006	1.096
		37	17-0000251.007	1.098
		39	17-0000251.003	0.938
		49	17-0000821.000	0.100

**Potential Mineral Interest and Working Interest Owners**

Name	Leased Yes or No	Tract Number(s)	Tax Map Parcel ID(s)	Surface Acres in Unit
RHDK Oil and Gas, LLC	Yes	8	22-0000079.002	1.240
EOG Resources, Inc.	Yes	30b	22-0000196.000	19.559
		31	17-0000253.000	19.799
		34	17-0000251.006	3.287
		37	17-0000251.007	3.294
		39	17-0000251.003	2.813
		49	17-0000821.000	0.299
Bernard A. Brazis	Yes	39	17-0000251.003	1.875
Phyllis J. Iles Trust Agreement dated February 22, 1989 as amended January 31, 2001 and January 19, 2008 Attn: Christina Louise Robson, Trustee  Robert L. Iles Trust dated February 22, 1989 as amended January 31, 2001 Attn: Christina Louise Robson and Sarah Iles Johnston, Co-Trustees	Yes	42	17-0000099.006	31.418
		43	17-0000099.007	1.884
		44	17-0000099.009	27.197
		46a	17-0000099.008	28.203
Phyllis J. Iles Trust Agreement dated February 22, 1989 as amended January 31, 2001 and January 19, 2008 Attn: Christina Louise Robson, Trustee  Robert L. Iles Trust dated February 22, 1989 as amended January 31, 2001 (Entireties Owner) Attn: Christina Louise Robson and Sarah Iles Johnston, Co-Trustees  Robert L. Iles Trust dated February 22, 1989 as amended January 31, 2001 Attn: Christina Louise Robson and Sarah Iles Johnston, Co-Trustees  Phyllis J. Iles Trust Agreement dated February 22, 1989 as amended January 31, 2001 and January 19, 2008 (Entireties Owner) Attn: Christina Louise Robson, Trustee	Yes	46b	17-0000099.008	0.559
		49	17-0000821.000	0.398

<p>Vine Royalty (YC) LP  Attn: Adam R. Cox, VP of Land, Crescent Mineral Partners</p>	<p>No</p>	<p>50</p>	<p>17-0000819.000</p>	<p>11.196</p>
<p>Three Rivers Royalty III, LLC  Attn: Tiffany A. Culp, Vice President - Land &amp; Legal</p>				
<p>MAC 1 (YC) LP  Attn: Admiral A. Holding (YC) GP LLC, General Partner, by Todd Falk, Vice President, Finance</p>				