



Ohio Department of Natural Resources

MIKE DEWINE, GOVERNOR

MARY MERTZ, DIRECTOR

Eric Vendel, Chief

Division of Oil and Gas Resources Management
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ORDER BY THE CHIEF

November 1, 2023

ORDER NO. 2023-223

**TO: Ascent Resources – Utica, LLC
3501 NW 63rd Street
Oklahoma City, OK 73116**

**RE: Application for Unitization
Liggett NE ATH HR Unit
Harrison County, Ohio**

**SUBJECT: Order for Unit Operations of the Utica shale and Point Pleasant Formation
for the Liggett NE ATH HR Unit**

Pursuant to Ohio Revised Code (“R.C.”) § 1509.28, the Chief of the Division of Oil and Gas Resources Management (“Chief” or “Division”) makes the following Findings and issues the following Order with respect to Ascent Resources – Utica, LLC’s (“Ascent”) Application for Unit Operations for the Liggett NE ATH HR Unit:

DEFINITIONS:

As used in this order:

- 1) “Person” has the same meaning as in R.C. § 1509.01.
- 2) “Application” means the application of Ascent Resources – Utica, LLC for Unit Operation of the Liggett NE ATH HR Unit signed on August 10, 2023, and includes all updates, amendments, and supplements to it.
- 3) “Royalty interest owner” means a person or the estate of a person, other than a working interest owner, who owns the right to or interest in any portion of the oil and/or gas, or proceeds from the sale thereof, from a tract.
- 4) “Working interest” means an interest in oil and/or gas in the unit area by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, the owner of which

is obligated to pay, either in cash or out of production or otherwise a portion of the unit expense.

- 5) “Working interest owner” means a person or the estate of a person who owns an interest in oil and/or gas in the unit area by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, the owner of which is obligated to pay, either in cash or out of production or otherwise a portion of the unit expense. “Working interest owner” does not include an unleased mineral owner.
- 6) “Unleased mineral owner” means a royalty interest owner who owns oil and/or gas rights free of a lease or other instrument conveying all or any portion of the working interest in such rights to another. At the time of this order, the unleased mineral owners identified by Ascent include those listed on Exhibit A.
- 7) “Consenting working interest owner” means any working interest owner who enters into an agreement with Ascent pertaining to the operation of the Liggett NE ATH HR Unit.
- 8) “Non-consenting working interest owner” means a working interest owner who does not enter into an agreement with Ascent pertaining to the operation of the Liggett NE ATH HR Unit. At the time of this order, no non-consenting working interest owners have been identified by Ascent.
- 9) “Gas” has the same meaning as in R.C. § 1509.01.
- 10) “Oil” has the same meaning as in R.C. § 1509.01.
- 11) “Unit Area” means all of the lands, oil and gas leases and/or oil and gas interests of the tracts as shown in Exhibit A totaling 432.010 acres located in Cadiz Township, Harrison County, Ohio as shown in Exhibit B.
- 12) “Unit Participation” means the ratio of the surface acreage of a specific tract in the unit area to the total surface acreage of the unit area as that total surface acreage is specified in paragraph one of the Plan for Unit Operations of this order.
- 13) “Gross Proceeds” means a share of the gross production of oil, gas, condensate, and natural gas liquids free of any and all cost of producing, gathering, storing, separating, treating, dehydrating, compressing, processing, transporting, marketing, or pipeline construction and maintenance.
- 14) “Net Proceeds” means the share of gross production of oil, gas, condensate, or natural gas liquids after payment of all costs of producing, gathering, storing, separating, treating, dehydrating, compressing, processing, transporting, and marketing and taxes.

BACKGROUND:

- 1) Ascent filed the application pursuant to R.C. § 1509.28 to conduct unit operations.
- 2) Pursuant to R.C. § 1509.28, the Division held a hearing on October 4, 2023. The hearing was held to consider the need for the operation as a unit of an entire pool or part thereof. Ascent representatives provided testimony on the application and answered questions from Division staff.
- 3) The unit operations will occur at an approximate true vertical depth located from the top of the Utica shale to the base of the Point Pleasant Formation.

FINDINGS:

- 1) Based on the application and testimony by Ascent’s representatives, the Chief finds that Ascent has established that it is the “owner,” as that term is defined in R.C. § 1509.01(K), of greater than 65% of the land area overlying the pool in the Liggett NE ATH HR Unit as required by R.C. § 1509.28(A).
- 2) Based on the application and testimony by Ascent’s representatives, the Chief finds that the operation of the Liggett NE ATH HR Unit is reasonably necessary to increase substantially the ultimate recovery of oil and gas.
- 3) Based on the application and testimony by Ascent’s representatives, the Chief finds the value of the estimated additional recovery of oil or gas from the Liggett NE ATH HR Unit exceeds the estimated additional cost incident to conducting the operation of the Liggett NE ATH HR Unit.

ORDER:

IT IS HEREBY ORDERED:

Pursuant to R.C. § 1509.28, Ascent is authorized to conduct operations within the Liggett NE ATH HR Unit in accordance with all of the following:

Plan for Unit Operations

- 1) The unit area is comprised of the tracts totaling 432.010 acres located in Cadiz Township, Harrison County, Ohio as shown in Exhibit B.
- 2) Ascent proposes to drill one well in the Liggett NE ATH HR Unit for the purpose of recovering oil and gas. Ascent shall drill at least one well to total measured depth as specified in the application in the unit area within 12 months from the date of approval of this Order as prescribed in Paragraph 10 of this order. If Ascent fails to drill at least one well to total measured depth as specified in the application in the unit area within 12 months from the date of approval of this Order as prescribed in Paragraph 10 of this order, the Chief may revoke this order. In order to achieve the stated goal of substantially increasing

the ultimate recovery of oil and gas from the Utica shale and Point Pleasant Formation within the unit area, Ascent shall produce from one well no later than two years after the date of approval of this order. If Ascent fails to drill, complete, and produce at least one well in the unit area, the Chief may amend or revoke this order. Any additional wells permitted by the Chief for the Utica shale and Point Pleasant Formation in the unit area are subject to this order.

- 3) Information from Ascent for the Liggett NE ATH HR Unit establishes that the Utica shale and Point Pleasant Formation uniformly underlies the unit area. Therefore, the allocated share of production to each tract shall be equal to that tract's unit participation.
- 4) Except as provided in Paragraph 9(d) of this order, all charges and credits made for investments in wells, tanks, pumps, machinery, materials, and equipment contributed to the Liggett NE ATH HR unit operations shall be allocated among the working interest owners of each tract based on the unit participation. The proportionate share of the expenses attributable to tracts of the unleased mineral owners shall be allocated to Ascent and the working interest owners.
- 5) All unit operation expenses, including capital investment, shall be charged to, and paid by, Ascent and working interest owners in amounts based on the unit participation plus their proportionate share of the expenses attributable to the tracts of unleased mineral owners. All unit operation expenses concerning wells and operating equipment shall be just and reasonable.
- 6) If necessary, Ascent and the consenting working interest owners shall carry, or otherwise finance, any non-consenting working interest owners who are unable to meet their financial obligations in connection with the unit operations. Ascent and all other consenting working interest owners' reasonable interest charge for carrying or financing the non-consenting working interest owners shall be determined by the terms of Ascent's Unit Agreement and Model Form Operating Agreement for the Liggett NE ATH HR Unit. Once a specific cost is charged to the initial well, that same cost cannot be charged to subsequent wells in the unit area.
- 7) Ascent shall supervise and conduct all unit operations. Each working interest owner shall have a voting interest equal to its Unit Participation. Approval of unit operations shall be subject to the terms of Ascent's Unit Agreement and Model Form Operating Agreement for the Liggett NE ATH HR Unit.

- 8) Unit operations may commence as of 7:00 a.m. on the day following the date of approval of this order as prescribed in Paragraph 10 of this order. Once the initial well is placed into production, operations within the Liggett NE ATH HR Unit may continue as long as hydrocarbons are produced from any well in the unit area without a cessation of more than 90 days, unless otherwise approved by the Chief in writing. The Liggett NE ATH HR Unit may be terminated if working interest owners owning at least 51% of the working interest in the unit area determine that the unit operations are no longer warranted. If the unit operations are so terminated, Ascent shall provide written notice of the termination to the Division and to all unleased mineral owners. In addition to the notice of termination, Ascent shall provide an affidavit to the Division attesting to the basis of the termination and all dates applicable to that basis. If termination of unit operations occurs prior to drilling and completing for production of one well in the Liggett NE ATH HR Unit, the Chief may amend this order.
- 9) The following additional provisions are found to be appropriate:
 - a) No activity associated with the drilling, completion, or operation of the Liggett NE ATH HR Unit shall be conducted on the surface of any unleased property without the prior written consent of the owner of the surface rights of the unleased property.
 - b) Unleased mineral owners shall not incur liability for any personal or property damage associated with any drilling, testing, completing, producing, operating, or plugging and restoration activities within the Liggett NE ATH HR Unit.
 - c) Each unleased mineral owner shall receive a monthly cash payment equal to a one-eighth share of the gross proceeds from production. Allocation of the one-eighth share shall be based on the unit participation of each unleased mineral owner's tract. Ascent shall make monthly cash payments to all unleased mineral owners at the same time the royalty interest owners are paid.
 - d) In addition to the cash payment specified in paragraph 9(c) of this Order, each unleased mineral owner shall receive a monthly cash payment equal to a seven-eighths share of the net proceeds from production. Allocation of the seven-eighths share shall be based on the unit participation of each unleased mineral owner's tract. After Ascent recovers 200% of the cost of drilling, testing, and completing the initial well, Ascent shall begin making the monthly payments to the unleased mineral owners for that well. For each additional well drilled in the unit area, Ascent shall begin making monthly payments equal to seven-eighths share of net proceeds from production to each unleased mineral owner once the working interest owners have recovered 150% of the cost of drilling, testing, and completing each additional well. Once a specific cost is charged to the initial well, that same cost cannot be charged to subsequent wells in the unit area.

- e) Nothing in this order prohibits an unleased mineral owner from entering into a lease agreement with Ascent or with any other person. An unleased mineral owner who enters into a lease of their mineral interests with any person after the issuance of this order is no longer an unleased mineral owner under this order as of the effective date of the lease. Ascent shall notify the Division upon the execution of a lease agreement with any unleased mineral owner who is subject to this order.
- f) Except as provided in Paragraph 9(d) of this order, no expenses shall be paid by an unleased mineral owner for drilling, testing, completing, producing, or operating any well in the unit area. Moreover, unleased mineral owners are not responsible for any costs related to plugging any well or any restoration in the unit area.
- g) If requested in writing by any unleased mineral owner or by any non-consenting working interest owner, or in any manner by the Division, Ascent shall provide, not later than 30 days after the request, any of the following:
 - i. A monthly statement of all costs incurred, together with the quantity of oil and gas produced, and the amount of proceeds realized from the sale of production during the preceding month; and
 - ii. Any authorization for expenditure (AFE) prepared by Ascent; and
 - iii. A statement of all costs and expenses for purposes of Paragraphs 6 and 9(d) of this order.
- h) Ascent shall notify the Division of the assignment or transfer of any of its working interest in the Liggett NE ATH HR Unit. If Ascent assigns or transfers any of its working interest, the assignee or transferee shall comply with this order. Within 60 days of the notice of assignment or transfer, Ascent shall file a copy of the notice with each applicable county recorder's office in the records of each of the tracts that are subject to this order and referenced in Exhibit B of this order. Ascent shall submit a certification of the filing to the Division within 14 days of filing.
- i) Ascent shall notify the Division within 30 days if a person that is leased by Ascent, or any other consenting working interest owner, for purposes of operating the Liggett NE ATH HR Unit becomes unleased. If a person becomes unleased, the person is an unleased owner under this order and paragraphs 9(a) through 9(g) of this order apply.

- j) Ascent shall notify the Division if any consenting working interest owner revokes, rescinds, or otherwise terminates the agreement with Ascent pertaining to the operation of the Liggett NE ATH HR Unit. If a consenting working interest owner revokes, rescinds, or otherwise terminates the agreement with Ascent, the working interest owner becomes a non-consenting working interest owner pursuant to this order. Ascent also shall notify the Division if any consenting working interest owner assigns or transfers all or part of its working interest in the Liggett NE ATH HR Unit. All such assignees or transferees are subject to this order.
 - k) Ascent shall notify the Division if any non-consenting working interest owner enters into an agreement with Ascent pertaining to the operation of the Liggett NE ATH HR Unit. If a non-consenting working interest owner enters into an agreement with Ascent, the non-consenting working interest owner becomes a consenting working interest owner pursuant to this order.
 - l) If at any point Ascent and consenting working interest owners own less than 65% of the unit, the Chief may amend or revoke this order.
- 10) This order becomes effective on the date Ascent provides the Chief with final written approval of the unit operations as prescribed in this order by Ascent and consenting working interest owners, and also by the royalty interest owners or, with respect to unleased acreage, unleased mineral owners of 65% of the acreage to be included in the unit. Unit operations may commence as set forth in Paragraph 8 of this Order. If Ascent fails to provide all required approvals by May 1, 2024, the order is revoked, and the Chief shall provide notice of the revocation to Ascent and to all persons listed in Exhibit A to this order.
 - 11) If this Chief's Order is appealed, the time periods specified in this order are tolled pending final determination of the appeal.
 - 12) Within 21 days of this order becoming effective, Ascent shall file a copy of this order with each applicable county recorder's office in the records of each of the tracts that are subject to this order and referenced in Exhibit B of this order. Ascent shall submit a certification of the filing to the Division within 14 days of filing. The certification shall include a reference to the volume and page number corresponding to each record where the Chief's Order is recorded.
 - 13) The Chief of the Division retains continuing jurisdiction over the Liggett NE ATH HR Unit as is consistent with the Chief's powers and duties as established by R.C. Chapter 1509 and Ohio Admin. Code 1501:9. The Chief reserves the right to amend or revoke this Order subsequent to the commencement of unit operations within the unit area.
 - 14) Except as specifically set forth in the terms of this order, nothing herein shall be construed as a release or waiver of any private right, obligation, duty, claim, or cause of action.

- 15) If there is a conflict between the terms of this Chief's Order and any part of Ascent's application, the Chief's Order takes precedence.

November 1, 2023

Eric Vendel

Date

/s/

Eric Vendel, Chief
Division of Oil and Gas Resources Management

Addressee is hereby notified that this action is final and effective and may be appealed pursuant to Section 1509.36 of the Ohio Revised Code. If the Order is appealed to the Ohio Oil and Gas Commission, the appeal must be in writing and must set forth the Orders complained of and the grounds upon which the appeal is based. Such appeal must be filed with the Oil and Gas Commission, 2045 Morse Road, Building E-1, Office 103, Columbus, Ohio 43229-6693, within 30 days after the date upon which the person to whom the Order was issued received the order and, for all other persons adversely affected by the order, within 30 days after the date of the Order.

In addition, within three days after the appeal is filed with the Oil and Gas Commission, notice of the filing must be submitted to Eric Vendel, Chief, Division of Oil and Gas Resources Management, Ohio Department of Natural Resources, 2045 Morse Road, Building F, Columbus, Ohio 43229-6693.

Enclosures: Exhibit A
Exhibit B

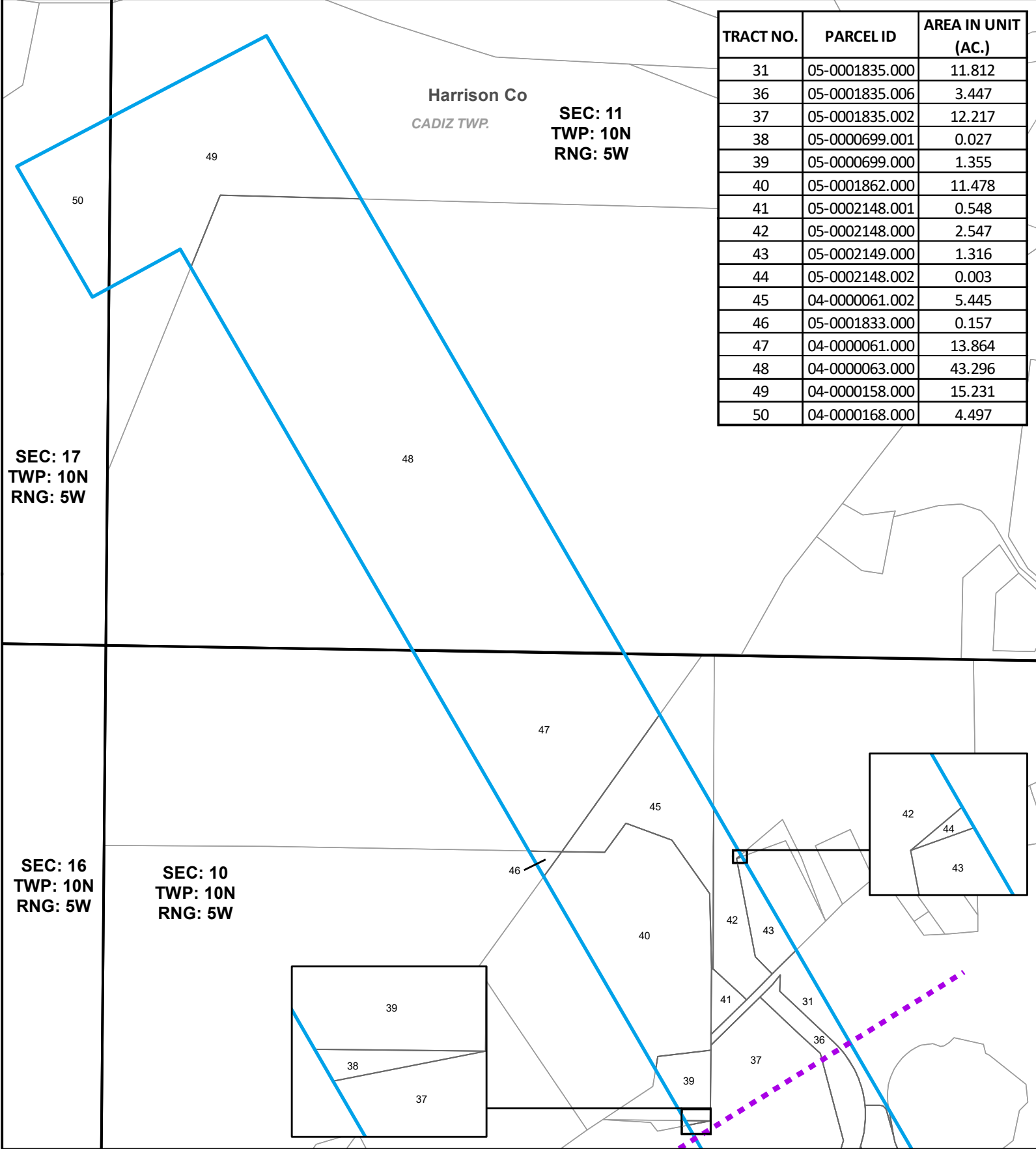
Liggett NE ATH HR Unit Chief's Order Exhibit A

Exhibit A All Mineral Owners in the proposed Liggett NE ATH HR Unit.																		
Tract Number	Lease ID Number (optional)	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	RHDK Working Interest Percentage	Transcendent Working Interest Percentage	Address	City	State	Zip	Changes
1a	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	17.483	4.047%	04-0000575.000	Cadiz	Harrison	4.047%	4.047%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
1b	UTC026099001	Kathy Reppart	Yes	0.250	3.921	0.908%	04-0000575.000	Cadiz	Harrison	0.908%	0.908%	0.000%	0.000%	14192 Perfect Road	Sunbury	OH	43074	
1b	UTC030709001	Kari R. McCov	Yes	0.125	1.961	0.454%	04-0000575.000	Cadiz	Harrison	0.454%	0.454%	0.000%	0.000%	60 Central Avenue	Westerville	OH	43081	
1b	UTC030738001	Kelly S. Reppart	Yes	0.125	1.961	0.454%	04-0000575.000	Cadiz	Harrison	0.454%	0.454%	0.000%	0.000%	1325 Jetty Knot Trail	Wylie	TX	75098	
1b	UTC025870001	Michael K. Bullard	Yes	0.250	3.921	0.908%	04-0000575.000	Cadiz	Harrison	0.908%	0.908%	0.000%	0.000%	14471 N. Old 3C Road	Sunbury	OH	43074	
1b	UTC025750001	James Caudill	Yes	0.250	3.921	0.908%	04-0000575.000	Cadiz	Harrison	0.908%	0.908%	0.000%	0.000%	14290 Perfect Road	Sunbury	OH	43074	
1c	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	0.075	0.017%	04-0000575.000	Cadiz	Harrison	0.017%	0.017%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
2	TRANSCENDENT	Golden Eagle Resources II-C, LLC Attn: Cori Willett	Yes	1.000	3.426	0.793%	04-0000126.000	Cadiz	Harrison	0.793%	0.000%	0.000%	0.793%	1801 Smith Street, Suite 200	Houston	TX	77002	
3a	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	0.950	6.042	1.399%	04-0000023.000	Cadiz	Harrison	1.399%	1.399%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
3a	UTC028174001	Muskingum University, an Ohio Non-Profit Corporation Attn: Susan Hassler, President	Yes	0.050	0.318	0.074%	04-0000023.000	Cadiz	Harrison	0.074%	0.074%	0.000%	0.000%	PO Box 1837	New Concord	OH	43762	
3b	TRANSCENDENT	Golden Eagle Resources II-C, LLC Attn: Cori Willett	Yes	1.000	15.602	3.611%	04-0000023.000	Cadiz	Harrison	3.611%	0.000%	0.000%	3.611%	1801 Smith Street, Suite 200	Houston	TX	77002	
4	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	0.950	59.150	13.692%	04-0000020.000	Cadiz	Harrison	13.692%	13.692%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
4	UTC028174001	Muskingum University, an Ohio Non-Profit Corporation Attn: Susan Hassler, President	Yes	0.050	3.113	0.721%	04-0000020.000	Cadiz	Harrison	0.721%	0.721%	0.000%	0.000%	PO Box 1837	New Concord	OH	43762	
5	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	0.950	1.348	0.312%	04-0000020.002	Cadiz	Harrison	0.312%	0.312%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
5	UTC028174001	Muskingum University, an Ohio Non-Profit Corporation Attn: Susan Hassler, President	Yes	0.050	0.071	0.016%	04-0000020.002	Cadiz	Harrison	0.016%	0.016%	0.000%	0.000%	PO Box 1837	New Concord	OH	43762	
6	UTC028174001	Muskingum University, an Ohio Non-Profit Corporation Attn: Susan Hassler, President	Yes	0.050	0.262	0.061%	04-0000462.000	Cadiz	Harrison	0.061%	0.061%	0.000%	0.000%	PO Box 1837	New Concord	OH	43762	
6	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	0.950	4.972	1.151%	04-0000462.000	Cadiz	Harrison	1.151%	1.151%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
7	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	0.950	0.138	0.032%	04-0000020.001	Cadiz	Harrison	0.032%	0.032%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
7	UTC028174001	Muskingum University, an Ohio Non-Profit Corporation Attn: Susan Hassler, President	Yes	0.050	0.007	0.002%	04-0000020.001	Cadiz	Harrison	0.002%	0.002%	0.000%	0.000%	PO Box 1837	New Concord	OH	43762	
8	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	0.672	0.156%	04-0000021.000	Cadiz	Harrison	0.156%	0.156%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
9	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	9.570	2.215%	04-0000027.000	Cadiz	Harrison	2.215%	2.215%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
10	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	18.772	4.345%	04-0000026.000	Cadiz	Harrison	4.345%	4.345%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
11	UTC033308001	The Board of Commissioners of Harrison County, Ohio Attn: Don Bethel, Amy Norris, and Paul Coffland	Yes	1.000	9.714	2.249%	05-0001159.000	Cadiz	Harrison	2.249%	2.249%	0.000%	0.000%	100 W. Market Street	Cadiz	OH	43907	
12	UTC019129000	Harrison Elite Holdings, LLC Attn: Mario Peralta	Yes	1.000	6.581	1.523%	05-0001159.002	Cadiz	Harrison	1.523%	1.523%	0.000%	0.000%	43255 Airport Road	Cadiz	OH	43907	
13	UNLEASED	State of Ohio, Department of Transportation Attn: Tyler Prose	No	1.000	0.391	0.091%	05-0001159.006	Cadiz	Harrison	0.000%	0.000%	0.000%	0.000%	1980 W. Broad Street	Columbus	OH	43223	
14	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	1.054	0.244%	05-0001823.001	Cadiz	Harrison	0.244%	0.244%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
15	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	0.213	0.049%	05-0001823.002	Cadiz	Harrison	0.049%	0.049%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
16	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1.000	1.686	0.390%	04-0000026.002	Cadiz	Harrison	0.390%	0.390%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
17	UNLEASED	State of Ohio, Department of Transportation Attn: Tyler Prose	No	1.000	0.388	0.090%	05-0001159.005	Cadiz	Harrison	0.000%	0.000%	0.000%	0.000%	1980 W. Broad Street	Columbus	OH	43223	
18	UTC033308001	Harrison County Board of Commissioners Attn: Don Bethel, Amy Norris, and Paul Coffland	Yes	1.000	0.768	0.178%	05-0001159.003	Cadiz	Harrison	0.178%	0.178%	0.000%	0.000%	100 W. Market Street	Cadiz	OH	43907	
19	UNLEASED	State of Ohio, Department of Transportation, in the name of and for the use of Harrison County Board of County Commissioners Attn: Tyler Prose	No	1.000	1.144	0.265%	05-0001159.004	Cadiz	Harrison	0.000%	0.000%	0.000%	0.000%	1980 W. Broad Street	Columbus	OH	43223	
20	UTC033308001	The Board of Commissioners of Harrison County, Ohio Attn: Don Bethel, Amy Norris, and Paul Coffland	Yes	1.000	0.303	0.070%	05-0001159.001	Cadiz	Harrison	0.070%	0.070%	0.000%	0.000%	100 W. Market Street	Cadiz	OH	43907	
21	UTC032964000	Debra R. Edwards	Yes	1.000	7.811	1.808%	05-0002185.004	Cadiz	Harrison	1.808%	1.808%	0.000%	0.000%	325 Saint Clair Avenue	Cadiz	OH	43907	
22	UTC034078001	Master Mineral Holdings I, L.P. Attn: Mike Matava	Yes	0.705	5.281	1.222%	05-0002185.005	Cadiz	Harrison	1.222%	1.222%	0.000%	0.000%	223 W. Wall, 9th Floor Street	Midland	TX	79701	Lease ID assigned
22	UTC028250001	Kevin A. Best and Tammy Best, husband and wife, for their joint lives, remainder to the survivor of them	Yes	0.295	2.208	0.511%	05-0002185.005	Cadiz	Harrison	0.511%	0.511%	0.000%	0.000%	1000 Oak Park Road	Cadiz	OH	43907	
23	UTC019049000	Michael P. Bledsoe	Yes	0.500	6.309	1.460%	05-0002185.006	Cadiz	Harrison	1.460%	1.460%	0.000%	0.000%	4833 Stoner Ave	Louisville	OH	44641	
23	UTC019050000	Barry Barbera	Yes	0.500	6.309	1.460%	05-0002185.006	Cadiz	Harrison	1.460%	1.460%	0.000%	0.000%	171 Schneiderman Lane	Akron	OH	44319	
24	UTC033451001	William H. Leed and Peggy L. Leed, husband and wife, for their joint lives, remainder to the survivor of them	Yes	0.500	9.020	2.088%	05-0002185.007	Cadiz	Harrison	2.088%	2.088%	0.000%	0.000%	2203 Beechmoor Drive NW	North Canton	OH	44720	
24	UTC033445001	Mark A. Graber	Yes	0.500	9.020	2.088%	05-0002185.007	Cadiz	Harrison	2.088%	2.088%	0.000%	0.000%	507 Oak Park Road	Cadiz	OH	43907	
25	UTC033451001	William H. Leed and Peggy L. Leed, husband and wife, for their joint lives, remainder to the survivor of them	Yes	0.500	1.017	0.235%	05-0002185.009	Cadiz	Harrison	0.235%	0.235%	0.000%	0.000%	2203 Beechmoor Drive NW	North Canton	OH	44720	
25	UTC033445001	Mark A. Graber	Yes	0.500	1.017	0.235%	05-0002185.009	Cadiz	Harrison	0.235%	0.235%	0.000%	0.000%	507 Oak Park Road	Cadiz	OH	43907	
26	UTC033451001	William H. Leed and Peggy L. Leed, husband and wife, for their joint lives, remainder to the survivor of them	Yes	0.500	0.244	0.056%	05-0002185.010	Cadiz	Harrison	0.056%	0.056%	0.000%	0.000%	2203 Beechmoor Drive NW	North Canton	OH	44720	
26	UTC033445001	Mark A. Graber	Yes	0.500	0.244	0.056%	05-0002185.010	Cadiz	Harrison	0.056%	0.056%	0.000%	0.000%	507 Oak Park Road	Cadiz	OH	43907	
27	UTC033443000	Curtis W. Crawshaw and Judith A. Crawshaw, his wife, JTWROS	Yes	1.000	8.891	2.058%	05-0002185.002	Cadiz	Harrison	2.058%	2.058%	0.000%	0.000%	405 Oak Park Road	Cadiz	OH	43907	

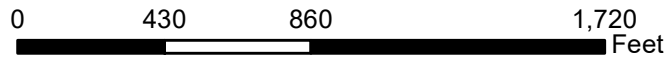
28	UTC033308001	Community Improvement Corporation of Harrison County Attn: Nick Homrighausen and Lauren Knight	Yes	1,000	12,155	2.814%	05-0002039.000	Cadiz	Harrison	2.814%	2.814%	0.000%	0.000%	538 North Main Street, Suite A	Cadiz	OH	43907	Separated entities; Removed Board of Commissioners of Harrison County, Ohio
28	UTC033308001	Board of Commissioners of Harrison County, Ohio Attn: Don Bethel, Amy Norris, and Paul Coffland***	Yes	***	***	***	05-0002039.000	Cadiz	Harrison	0.000%	0.000%	0.000%	0.000%	100 W. Market Street	Cadiz	OH	43907	Added line for Board of Commissioners of Harrison County, Ohio
29	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	0,483	0.112%	05-0001825.001	Cadiz	Harrison	0.112%	0.112%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
30	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	50,472	11.683%	05-0001835.001	Cadiz	Harrison	11.683%	11.683%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
31	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	11,812	2.734%	05-0001835.000	Cadiz	Harrison	2.734%	2.734%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
32	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	0,145	0.034%	05-0001835.016	Cadiz	Harrison	0.034%	0.034%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
33	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	3,143	0.728%	05-0001835.009	Cadiz	Harrison	0.728%	0.728%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
34	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	1,746	0.404%	05-0001835.015	Cadiz	Harrison	0.404%	0.404%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
35	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	0,310	0.072%	05-0001835.016	Cadiz	Harrison	0.072%	0.072%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
36	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	3,447	0.798%	05-0001835.006	Cadiz	Harrison	0.798%	0.798%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
37	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	12,217	2.828%	05-0001835.002	Cadiz	Harrison	2.828%	2.828%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
38	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	0,027	0.006%	05-000699.001	Cadiz	Harrison	0.006%	0.006%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
39	PENDING	Mark West Utica EMG, L.L.C. Attn: Sam Papp	Yes	1,000	1,355	0.314%	05-000699.000	Cadiz	Harrison	0.314%	0.314%	0.000%	0.000%	1515 Arapahoe Street, Tower 1, Suite 1600	Denver	CO	80202	
40	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	11,478	2.657%	05-0001862.000	Cadiz	Harrison	2.657%	2.657%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
41	UTC032698000	Kurt A. Kelly	Yes	1,000	0,548	0.127%	05-0002148.001	Cadiz	Harrison	0.127%	0.127%	0.000%	0.000%	739 Grant Street	Cadiz	OH	43907	
42	UTC033446000	L.F.C. Rentals Attn: Elizabeth Ann Fledderus - KNA Luther RE Holdings	Yes	1,000	2,547	0.590%	05-0002148.000	Cadiz	Harrison	0.590%	0.590%	0.000%	0.000%	648 Kerr Avenue	Cadiz	OH	43907	
43	UTC019446000	Anna Mae Luther	Yes	1,000	1,316	0.305%	05-0002149.000	Cadiz	Harrison	0.305%	0.305%	0.000%	0.000%	PO Box 94	Cadiz	OH	43907	
44	UTC019039000	Anna Mae Luther	Yes	1,000	0,003	0.001%	05-0002148.002	Cadiz	Harrison	0.001%	0.001%	0.000%	0.000%	PO Box 94	Cadiz	OH	43907	
45	UTC019448000	Twin Mineral Land, Ltd Attn: Ronald Selway	Yes	0,500	2,723	0.630%	04-0000061.002	Cadiz	Harrison	0.630%	0.630%	0.000%	0.000%	2283 Ridge Road NE	New Philadelphia	OH	44663	
45	UTC019448000	Heritage Resources - Utica Minerals, LLC Attn: Whitney Wickes	Yes	0,500	2,723	0.630%	04-0000061.002	Cadiz	Harrison	0.630%	0.630%	0.000%	0.000%	105 N. Main St., Suite 200	Sheridan	WY	82801	
46	PENDING	Ascent Utica Minerals, LLC Attn: Mike McLaughlin	Yes	1,000	0,157	0.036%	05-0001833.000	Cadiz	Harrison	0.036%	0.036%	0.000%	0.000%	3501 NW 63rd Street	Oklahoma City	OK	73116	
47	UTC019448000	Twin Mineral Land, Ltd Attn: Ronald Selway	Yes	0,500	6,932	1.605%	04-0000061.000	Cadiz	Harrison	1.605%	1.605%	0.000%	0.000%	2283 Ridge Road NE	New Philadelphia	OH	44663	
47	UTC019448000	Heritage Resources - Utica Minerals, LLC Attn: Whitney Wickes	Yes	0,500	6,932	1.605%	04-0000061.000	Cadiz	Harrison	1.605%	1.605%	0.000%	0.000%	105 N. Main St., Suite 200	Sheridan	WY	82801	
48	UTC022992000	Bounty Minerals, LLC Attn: Tracie E. Palmer	Yes	0,667	28,864	6.681%	04-0000063.000	Cadiz	Harrison	6.681%	6.681%	0.000%	0.000%	777 Main Street, Suite 3400	Fort Worth	TX	76102	
48	RHDK	RHDK Investments, LLC Attn: Keith B. Kimble, Manager	Yes	0,333	14,432	3.341%	04-0000063.000	Cadiz	Harrison	3.341%	0.000%	3.341%	0.000%	3596 State Route 39 NW	Dover	OH	44622	
49	UTC031042000	Capstone Holding Company Attn: Danny E. Taylor	Yes	1,000	15,231	3.526%	04-0000158.000	Cadiz	Harrison	3.526%	3.526%	0.000%	0.000%	PO Box 115	Bannock	OH	43972	
50	UTC031042000	Capstone Holding Company Attn: Danny E. Taylor	Yes	1,000	4,497	1.041%	04-0000168.000	Cadiz	Harrison	1.041%	1.041%	0.000%	0.000%	PO Box 115	Bannock	OH	43972	
				Total Unit Acres:	432.010	100.000%				Total:	99.555%	91.810%	3.341%	4.404%				
				Total Consenting Acres:	430.888													

***Board of Commissioners of Harrison County, Ohio has executory rights, rights to receive royalties and other payments

TRACT NO.	PARCEL ID	AREA IN UNIT (AC.)
31	05-0001835.000	11.812
36	05-0001835.006	3.447
37	05-0001835.002	12.217
38	05-0000699.001	0.027
39	05-0000699.000	1.355
40	05-0001862.000	11.478
41	05-0002148.001	0.548
42	05-0002148.000	2.547
43	05-0002149.000	1.316
44	05-0002148.002	0.003
45	04-0000061.002	5.445
46	05-0001833.000	0.157
47	04-0000061.000	13.864
48	04-0000063.000	43.296
49	04-0000158.000	15.231
50	04-0000168.000	4.497



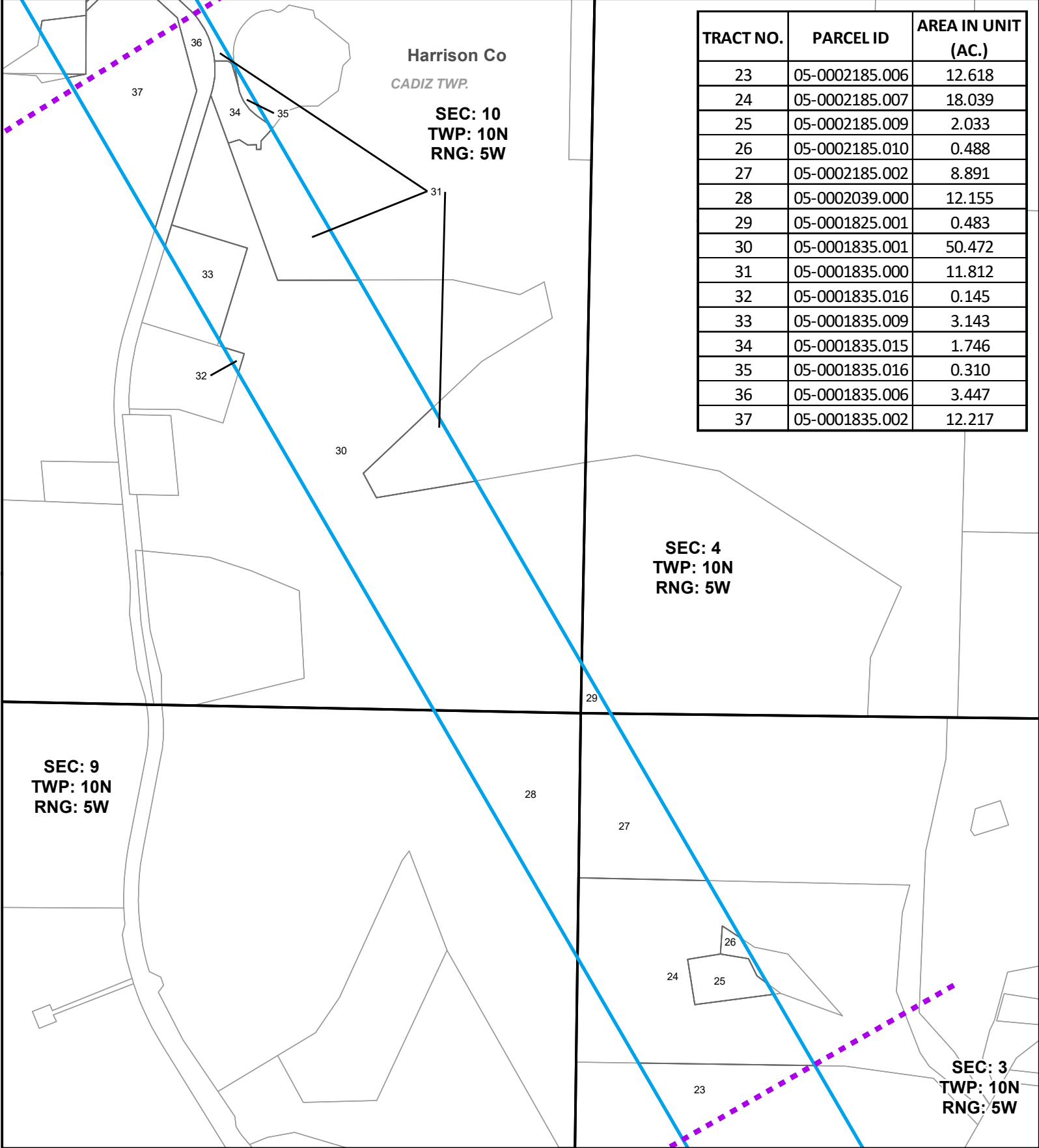
LIGGETT NE ATH HR
EXHIBIT B-2



1 in = 563 ft

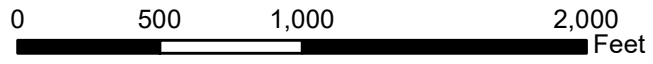
Legend

- LIGGETT NE ATH HR - 432.010 Ac.
- PLSS Section
- Townships
- Counties
- Tax Parcels



TRACT NO.	PARCEL ID	AREA IN UNIT (AC.)
23	05-0002185.006	12.618
24	05-0002185.007	18.039
25	05-0002185.009	2.033
26	05-0002185.010	0.488
27	05-0002185.002	8.891
28	05-0002039.000	12.155
29	05-0001825.001	0.483
30	05-0001835.001	50.472
31	05-0001835.000	11.812
32	05-0001835.016	0.145
33	05-0001835.009	3.143
34	05-0001835.015	1.746
35	05-0001835.016	0.310
36	05-0001835.006	3.447
37	05-0001835.002	12.217

LIGGETT NE ATH HR
EXHIBIT B-3



1 in = 675 ft

Legend

- LIGGETT NE ATH HR - 432.010 Ac.
- PLS Section
- Townships
- Counties
- Tax Parcels

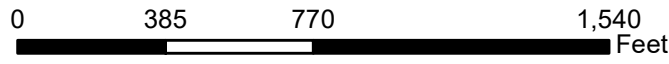
Harrison Co
CADIZ TWP.

TRACT NO.	PARCEL ID	AREA IN UNIT (AC.)
4	04-000020.000	62.263
8	04-000021.000	0.672
9	04-000027.000	9.570
10	04-000026.000	18.772
11	05-0001159.000	9.714
12	05-0001159.002	6.581
13	05-0001159.006	0.391
14	05-0001823.001	1.054
15	05-0001823.002	0.213
16	04-000026.002	1.686
17	05-0001159.005	0.388
18	05-0001159.003	0.768
19	05-0001159.004	1.144
20	05-0001159.001	0.303
21	05-0002185.004	7.811
22	05-0002185.005	7.489
23	05-0002185.006	12.618

SEC: 3
TWP: 10N
RNG: 5W

SEC: 2
TWP: 10N
RNG: 5W

LIGGETT NE ATH HR
EXHIBIT B-4



1 in = 500 ft



NAD 1927 UTM Zone 17N

Legend

- LIGGETT NE ATH HR - 432.010 Ac.
- PLSS Section
- Townships
- Counties
- Tax Parcels

CADIZ TWP.

Harrison Co

TRACT NO.	PARCEL ID	AREA IN UNIT (AC.)
1a	04-0000575.000	17.483
1b	04-0000575.000	15.684
1c	04-0000575.000	0.075
2	04-0000126.000	3.426
3a	04-0000023.000	6.360
3b	04-0000023.000	15.602
4	04-0000020.000	62.263
5	04-0000020.002	1.419
6	04-0000462.000	5.234
7	04-0000020.001	0.145

SEC: 2
TWP: 10N
RNG: 5W

SEC: 1
TWP: 10N
RNG: 5W

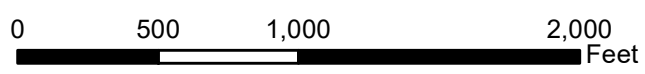
ATHENS TWP.

SEC: 32
TWP: 9N
RNG: 4W

SEC: 31
TWP: 9N
RNG: 4W



LIGGETT NE ATH HR EXHIBIT B-5



1 in = 683 ft

Legend

- LIGGETT NE ATH HR - 432.010 Ac.
- PLSS Section
- Townships
- Counties
- Tax Parcels

TRACT NO.	PARCEL ID	AREA IN UNIT (AC.)	Exhibit
1a	04-0000575.000	17.483	B-5
1b	04-0000575.000	15.684	B-5
1c	04-0000575.000	0.075	B-5
2	04-0000126.000	3.426	B-5
3a	04-0000023.000	6.360	B-5
3b	04-0000023.000	15.602	B-5
4	04-0000020.000	62.263	B-4/B-5
5	04-0000020.002	1.419	B-5
6	04-0000462.000	5.234	B-5
7	04-0000020.001	0.145	B-5
8	04-0000021.000	0.672	B-4
9	04-0000027.000	9.570	B-4
10	04-0000026.000	18.772	B-4
11	05-0001159.000	9.714	B-4
12	05-0001159.002	6.581	B-4
13	05-0001159.006	0.391	B-4
14	05-0001823.001	1.054	B-4
15	05-0001823.002	0.213	B-4
16	04-0000026.002	1.686	B-4
17	05-0001159.005	0.388	B-4
18	05-0001159.003	0.768	B-4
19	05-0001159.004	1.144	B-4
20	05-0001159.001	0.303	B-4
21	05-0002185.004	7.811	B-4
22	05-0002185.005	7.489	B-4
23	05-0002185.006	12.618	B-3/B-4
24	05-0002185.007	18.039	B-3
25	05-0002185.009	2.033	B-3
26	05-0002185.010	0.488	B-3
27	05-0002185.002	8.891	B-3
28	05-0002039.000	12.155	B-3
29	05-0001825.001	0.483	B-3
30	05-0001835.001	50.472	B-3
31	05-0001835.000	11.812	B-2/B-3
32	05-0001835.016	0.145	B-3
33	05-0001835.009	3.143	B-3
34	05-0001835.015	1.746	B-3
35	05-0001835.016	0.310	B-3
36	05-0001835.006	3.447	B-2/B-3
37	05-0001835.002	12.217	B-2/B-3
38	05-0000699.001	0.027	B-2
39	05-0000699.000	1.355	B-2
40	05-0001862.000	11.478	B-2
41	05-0002148.001	0.548	B-2
42	05-0002148.000	2.547	B-2
43	05-0002149.000	1.316	B-2
44	05-0002148.002	0.003	B-2
45	04-0000061.002	5.445	B-2
46	05-0001833.000	0.157	B-2
47	04-0000061.000	13.864	B-2
48	04-0000063.000	43.296	B-2
49	04-0000158.000	15.231	B-2
50	04-0000168.000	4.497	B-2
	Total	432.010	



LIGGETT NE ATH HR MASTER TRACT LIST