

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

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In re: :

The Matter of the :
Application of Ascent :
Resources - Utica, LLC : Application Date:
for Unit Operation August 28, 2025
:
Archie NE WYN JF Unit
:

- - - - -

UNITIZATION APPLICATION HEARING

- - - - -

Before Hearing Host Cynthia Marshall
All Parties Appearing Remotely
October 22, 2025, 9:01 a.m.

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A P P E A R A N C E S

ON BEHALF OF OHIO DEPARTMENT OF NATURAL RESOURCES:

Ohio Department of Natural Resources
2045 Morse Road, Building F-3
Columbus, OH 43229
By Jennifer A. Barrett, Esq.
(Via videoconference)

ON BEHALF OF ASCENT RESOURCES - UTICA, LLC:

Vorys, Sater, Seymour and Pease LLP
52 East Gay Street
Columbus, OH 43215
By Casey N. Valentine, Esq.
(Via videoconference)

ALSO PRESENT:

Emily Little (Via videoconference)
Joseph Krenger (Via videoconference)
Lindsey Hall-Wiist (Via videoconference)
Marlon E. Henry (Via videoconference)
Stephen LeFever (Via videoconference)
Thomas Hill (Via videoconference)
Jeff Large (Via videoconference)
Grant Parker (Via videoconference)
Mary McCombs (Via videoconference)
Regina Bryant (Via videoconference)
James Dillard (Via videoconference)
Cory Cosby (Via videoconference)
Mark A. Hylton, Esq. (Via videoconference)
Leilani Beard (Via videoconference)
Kristin Breeze (Via videoconference)
Matt Berkeley (Via videoconference)
Tyler Heckathorn, Esq. (Via videoconference)

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P R O C E E D I N G S

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MS. MARSHALL: Good morning. Before we begin, I would like to go over some instructions for this video and telephone conference. If you have joined online, please mute your microphone. If you have called in via phone, please use the "mute" feature of your phone. Once the hearing begins, everyone will be muted except for those presenting. If you have called in, you can unmute yourself by pressing "star 6." Witnesses for the Applicant and anyone wishing to make comments, please wait to be individually called upon by your attorney or by the Division before speaking. Please mute your microphones anytime you are not speaking and when you have finished presenting to avoid any feedback.

I am now asking anyone who would like to make comments to please state your name slowly and clearly for the Division and identify whether you are an unleased mineral owner, working interest owner, or an owner with property in the Archie NE WYN JF unit. I would also like this

1 information from anyone who represents any of
2 these persons. We will make note of your name and
3 call upon you when it's time for comments.

4 If you have joined us via WebEx, please
5 unmute yourself now and tell us your name if you
6 wish to make comments.

7 Hearing none.

8 If you have joined us via phone, please
9 unmute yourself by pressing "star 6" and tell us
10 your name if you wish to make comments.

11 MR. BERKELEY: This is Matt Berkeley,
12 RHDK Investments and RHDK Oil & Gas.

13 MS. MARSHALL: Okay. Mr. Berkeley, we
14 do have you down for comments. Thank you. We
15 will call upon you once we're ready for that part
16 of the hearing.

17 Is there anyone else?

18 Thank you. With that, we will begin
19 the hearing.

20 Ms. Barrett?

21 MS. BARRETT: Thank you, and good
22 morning. Today is Wednesday, October 22, 2025.
23 And we are here on the matter of the application
24 of Ascent Resources - Utica, LLC for unit

1 operation of the Archie NE WYN JF unit. This
2 hearing before the Ohio Department of Natural
3 Resources, Division of Oil and Gas Resources
4 Management, is convened pursuant to Ohio Revised
5 Code Section 1509.28.

6 My name is Jennifer Barrett. And I am
7 an administrative officer for the Division. Also
8 with me today is Program Administrator Cynthia
9 Marshall. We are conducting the hearing today and
10 serve as the Chief's designees on this matter.

11 On August 28, 2025, Ascent filed with
12 the Division an application for unit operations
13 for a unit designated as the Archie NE WYN JF
14 unit. Ascent filed subsequent revisions to the
15 application. The unit is proposed to be located
16 in Jefferson County, Ohio. In its application,
17 Ascent claims to have the mineral rights through
18 voluntary agreements to approximately 419.659
19 acres of the desired approximately 561.099-acre
20 unit.

21 The purpose of today's hearing is to
22 determine whether Ascent's Archie NE WYN JF unit
23 application meets all of the requirements of
24 Revised Code Section 1509.28. Under that section,

1 the Chief of the Division must issue an order if
2 he determines that the Applicant has shown that,
3 one, the unit is reasonably necessary to increase
4 substantially the ultimate recovery of oil and
5 gas; and two, the estimated additional recovery
6 from the unit exceeds the additional cost.

7 Neither the Chief nor any of us here
8 today have made any decisions on Ascent's
9 application. After today's hearing, we will
10 review all the information provided to us in order
11 to make a determination. We have a court reporter
12 present as well, and we'll also have a copy of the
13 transcript of this hearing for review.

14 The Chief's decision will be issued
15 through a Chief's Order, which will be posted on
16 the Division's website. Pursuant to Revised Code
17 Section 1509.36, any order may be appealed within
18 30 days after the date upon which the person to
19 whom the order was issued received the order, and
20 for all other persons adversely affected by the
21 order within 30 days after the date of the order
22 complained of.

23 The hearing will proceed as follows:
24 Ascent will present its witnesses and exhibits and

1 will answer questions posed by the Division staff.
2 Then any unleased mineral owners, working interest
3 owners, and those persons with property included
4 in the proposed Archie NE WYN JF unit will have
5 the opportunity to present questions and concerns
6 to the Division staff. And then the Division
7 staff may take a break to determine if there's any
8 additional questions for the Applicant.

9 To proceed in an orderly fashion, we
10 ask that any interested party who speaks here
11 today pose any questions to the Division, and we
12 will then ask any questions to Ascent.
13 Additionally, anyone speaking today will be asked
14 to provide their information to the court
15 reporter. If you are uncomfortable speaking
16 during the hearing, we will also accept written
17 comments.

18 For purposes of the record, the
19 Division received written comments from Tyler
20 Heckathorn, on behalf of the Eric Petroleum
21 Corporation; Eric Petroleum Utica, LLC; and Bruce
22 E. Bocker, Trustee of the Bocker Royalty Trust
23 No. One u/a/d 10/15/2010. These comments have
24 been included as part of the record for the Archie

1 NE WYN JF unit. Matt Berkeley, on behalf of RHDK
2 Investments and RHDK Oil & Gas, has indicated that
3 he wishes to make comments. And those comments
4 can be made at the end of the hearing.

5 We will now ask the Applicant to make
6 its introductions and begin its presentation.

7 MR. VALENTINE: Thank you, Ms. Barrett.
8 Good morning, everyone. My name is Casey
9 Valentine. And I'm an attorney at the law firm of
10 Vorys, Sater, Seymour and Pease. I'm representing
11 Ascent Resource - Utica, LLC, who I'll refer to as
12 Ascent in today's hearing.

13 Ascent is requesting a unit order
14 authorizing it to develop the Archie NE WYN JF
15 unit according to the unit plan attached to its
16 application. Ascent and the other consenting
17 working interest owner in the unit have oil and
18 gas leases covering over 70 percent of the unit
19 acreage. Ascent plans to develop the unit by
20 drilling one well approximately 23,800 feet in
21 completed lateral length from a pad site located
22 outside the southwest corner of the unit.

23 Ascent is requesting a unit order
24 because there are tracts in the unit that are

1 owned in whole or in part by an unleased mineral
2 owner or leased in whole or in part to a
3 non-consenting working interest owner.

4 This morning, you will hear testimony
5 from three witnesses: Katie McDonald, a landman;
6 Paul Cooper, a geologist; and Wes McAlister, a
7 reservoir engineer. Their testimony will
8 establish that Ascent meets each of the elements
9 required for a unit order under Revised Code
10 Section 1509.28. We ask the Division to approve
11 Ascent's application and issue the requested unit
12 order.

13 We now call our first witness, Katie
14 McDonald.

15 MS. MARSHALL: Please swear in the
16 witness.

17 - - - - -

18 KATIE MCDONALD

19 being first duly sworn, testifies and says as
20 follows:

21 DIRECT EXAMINATION

22 BY MR. VALENTINE:

23 Q. Good morning, Ms. McDonald.

24 A. Good morning.

1 Q. Could you please introduce yourself to
2 the Division and describe your educational and
3 professional background.

4 A. Yes. My name is Katie McDonald. And
5 I'm a district landman with Ascent Resources. I
6 received my bachelor's in energy management from
7 the University of Oklahoma and my Master of
8 Science in energy legal studies from Oklahoma City
9 University. I've been with Ascent since
10 September 2023.

11 Prior to working for Ascent, I worked
12 as a landman for various E&P companies and have
13 nine years of industry experience. Throughout my
14 career, I have worked in a number of basins, such
15 as the Utica, Anadarko, Arkoma, Barnett, and
16 Haynesville. I have my registered professional
17 landman certification.

18 Q. Are you a member of any professional
19 associations?

20 A. Yes. I'm an active member of the
21 American Association of Professional Landmen and
22 the Oklahoma City Association of Professional
23 Landmen.

24 Q. Please tell us what your typical job

1 responsibilities are at Ascent.

2 A. My job responsibilities include
3 negotiating lease acquisitions, managing field
4 brokers, handling title matters, and overall
5 horizontal well and unit development.

6 Q. Were you in charge of overseeing the
7 development of the proposed unit?

8 A. Yes.

9 Q. Have there been any material updates to
10 Ascent's application since it filed its
11 pre-hearing supplement?

12 A. We received a recorded release of the
13 lease covering Tract 125 in addition to a recorded
14 new lease covering Tract 125. They both appear to
15 cover Tract 125, but I'm still working to confirm
16 that that is accurate.

17 Our records reflect there were multiple
18 working interest parties with record title
19 ownership, and the release we received did not
20 incorporate all of them. We will adjust our
21 exhibits in our post-hearing supplement if these
22 documents we have received are deemed sufficient
23 to clear title.

24 Q. I'm showing Exhibit D on the screen

1 right now. Could you please give us a general
2 description of the unit and explain what the
3 different colors mean on this map.

4 A. The Archie Northeast unit is roughly a
5 rectangular area of land located in Wayne and
6 Salem Township in Jefferson County, Ohio. The
7 unit is made up of 132 separate tracts and
8 consists of 561.099 acres in total. There is one
9 lateral planned in the Archie Northeast unit, the
10 Archie NE WYN JF 7H well, which is roughly 23,860
11 feet in lateral length.

12 The pad will be located outside the
13 southeast corner of the unit, and the lateral will
14 be drilled to the northwest. The yellow tracts on
15 Exhibit D represent tracts that are 100 percent
16 leased and consenting. The yellow-and-red hatched
17 tracts on Exhibit D represent tracts that are
18 partially consenting and unleased. The green
19 tracts on Exhibit D represent those tracts that
20 are non-consenting. The yellow-green-and-red
21 hatched tracts on Exhibit D represent tracts that
22 are partially consenting, unleased, and
23 non-consenting. And the red tracts on Exhibit D
24 represent those tracts that are unleased.

1 Q. Thank you. What percentage of the
2 working interest in the proposed unit is leased to
3 Ascent and the other consenting working interest
4 owner?

5 A. Ascent is committing 51.136 percent of
6 the unit, and EQT TGHL Exploration, LLC is
7 committing 23.657 percent of the unit. In total,
8 the consenting working interest owners are
9 committing 74.792 percent of the unit.

10 Q. Have you attempted to negotiate an oil
11 and gas lease with the remaining unleased mineral
12 owners?

13 A. Yes.

14 Q. Are there any non-consenting working
15 interest owners in the proposed unit?

16 A. Yes.

17 Q. Have you attempted to negotiate an
18 agreement with those non-consenting working
19 interest owners?

20 A. Yes.

21 Q. Will you continue to negotiate with
22 those unleased and non-consenting parties after
23 the hearing today?

24 A. Yes, we will, as long as they are

1 willing to work with Ascent.

2 Q. Back to Exhibit D and the gray square
3 that I'm hovering over right now that's the
4 location of the well pad for the proposed unit,
5 what gives Ascent the right to locate the well pad
6 at that location?

7 A. Ascent has obtained a surface use
8 agreement with the surface owner of the pad
9 location.

10 Q. If the requested unit order is issued,
11 when does Ascent plan to drill the well?

12 A. The development of the well is
13 currently planned for the second quarter of 2026.

14 Q. Ms. McDonald, are you familiar with the
15 provisions of the unit plan, including the
16 operating agreement?

17 A. Yes.

18 Q. How are unit costs and production
19 allocated under the unit plan?

20 A. On a surface acreage basis.

21 Q. In your experience, is allocating
22 production and cost on a surface acreage basis a
23 customary method?

24 A. Yes.

1 Q. And under the unit plan, who is it that
2 is obligated to pay the unit costs?

3 A. The working interest owners.

4 Q. Does the operating agreement include a
5 non-consent penalty for any non-consenting working
6 interest owners?

7 A. Yes.

8 Q. What is that non-consent penalty?

9 A. 500 percent.

10 Q. In your experience, do you believe that
11 to be a fair percentage for a non-consent penalty?

12 A. Yes.

13 Q. Are you aware of other operators in the
14 area -- or the region using a similar non-consent
15 penalty?

16 A. Yes.

17 MR. VALENTINE: Thank you,
18 Ms. McDonald. I have no further questions at this
19 time.

20 MS. MARSHALL: Thank you.

21 Ms. McDonald, I have a couple of questions.
22 Describe what efforts you have taken to identify
23 unknown or undetermined mineral owners.

24 THE WITNESS: The efforts include

1 research of county records, including county
2 recorder and county court documents. Further,
3 where possible, we supplement our review of
4 official county records with genealogical records
5 provided by parties with knowledge of the
6 ownership chain.

7 MS. MARSHALL: If you were to receive a
8 unitization order, can you describe what happens
9 to any payments that would be owed to unknown or
10 undetermined mineral owners under that order?

11 THE WITNESS: Yes. The royalties would
12 be withheld and placed in suspense until the
13 ownership could be determined. When title has
14 been appropriately cured, the revenue will be
15 released to the appropriate owners.

16 MS. MARSHALL: What is the current
17 outstanding offer to the unleased mineral owners
18 in the proposed unit, average bonus and average
19 royalty?

20 THE WITNESS: The average outstanding
21 offer is approximately \$5,671 an acre. And the
22 average outstanding royalty is 19.37 percent. And
23 that's a mix between gross and net.

24 MS. MARSHALL: Is that average royalty

1 based on net or gross amount?

2 THE WITNESS: It's a mix between gross
3 and net.

4 MS. MARSHALL: Do those offers include
5 surface use?

6 THE WITNESS: Our standard lease form
7 includes surface use, but we are willing to
8 negotiate non-surface.

9 MS. MARSHALL: And when will those
10 offers expire?

11 THE WITNESS: Our offers are still
12 valid and do not have an expiration date. But any
13 extended offer is only valid for a reasonable
14 amount of time.

15 MS. MARSHALL: What is the average
16 offer that was accepted by the leased mineral
17 owners in the proposed unit, average bonus and
18 average royalty?

19 THE WITNESS: The average accepted
20 offer was approximately \$5,639 an acre. And the
21 average accepted royalty was 19.21 percent.

22 MS. MARSHALL: Do you believe your
23 lease attempts have been reasonable, and why?

24 THE WITNESS: Yes, I believe our

1 attempts have been reasonable and that our contact
2 log reflects the extensive efforts made to lease
3 all unleased owners.

4 MS. MARSHALL: Will you continue
5 attempts to lease the unleased mineral owners
6 after the hearing and after a unitization order is
7 issued, if one is issued?

8 THE WITNESS: Yes, we will, as long as
9 they're willing to work with Ascent.

10 MS. MARSHALL: Do you believe your
11 attempts to commit non-consenting working interest
12 owners have been reasonable? If so, why?

13 THE WITNESS: Yes, I believe that our
14 contact logs will reflect that Ascent is actively
15 communicating and negotiating with the working
16 interest owners within the unit.

17 MS. MARSHALL: Do the leases in the
18 unit authorize drilling into and producing from
19 the proposed unitized formations?

20 THE WITNESS: Yes, all leases cover the
21 unitized formation.

22 MS. MARSHALL: To establish bonus and
23 royalty amounts in leases, how are those generally
24 determined?

1 THE WITNESS: It's a combination of
2 multiple factors, some of which include commodity
3 prices, development timing, when the lease is
4 acquired, estimated well economics, and
5 competitors in the area. When all of these are
6 taken into consideration, we feel that our offers
7 are fair market offers.

8 MS. MARSHALL: That is all the
9 questions that I have.

10 Ms. Barrett, do you have any questions?

11 MS. BARRETT: Yes.

12 - - - - -

13 CROSS-EXAMINATION

14 BY MS. BARRETT:

15 Q. Could you please explain the reasoning
16 for the shape at the southern end of the unit,
17 please.

18 A. Yes. On the adjacent unit plot, the
19 notch at the southern boundary aligns with the
20 offsetting producing units. This was an effort to
21 make the unit boundary flush in order to develop
22 all the acreage and not strand any acreage between
23 units.

24 MS. BARRETT: Okay. Thank you. No

1 further questions for me.

2 MS. MARSHALL: Thank you.

3 Mr. Valentine, please call your next witness.

4 MR. VALENTINE: Our next witness will
5 be Paul Cooper.

6 MS. MARSHALL: Please swear in the
7 witness.

8 - - - - -

9 PAUL COOPER

10 being first duly sworn, testifies and says as
11 follows:

12 DIRECT EXAMINATION

13 BY MR. VALENTINE:

14 Q. Good morning, Mr. Cooper.

15 A. Good morning, Casey.

16 Q. Would you please introduce yourself to
17 everyone and describe your educational and
18 professional background.

19 A. Yes, sir. Good morning, everyone. My
20 name is Paul Cooper. I'm a geologist at Ascent.
21 I've been with Ascent for the last 11 years.
22 Prior to that, for about seven years I was a well
23 site geology contractor, so providing consulting
24 services, living and working on drilling rigs in

1 various basins in the U.S., including the
2 Appalachian Basin.

3 I have a Bachelor of Science in geology
4 from Virginia Tech. And I am a member of the
5 American Association of Petroleum Geologists.

6 Q. Thank you. What are your typical job
7 responsibilities at Ascent?

8 A. So in general, a geologist at an oil
9 and gas E&P would -- responsibilities include
10 acquisition, quality control and curation, and
11 most importantly, interpretation of subsurface
12 data. So a specific example of that for a purpose
13 within the company would be this unitization
14 hearing where I looked at subsurface data around
15 the Archie to determine if it was a part of a
16 larger pool.

17 Q. I'm going to ask you some questions
18 regarding whether the unitized formation
19 underlying the proposed unit is a pool or a part
20 of a pool. To start off, what subsurface depths
21 is Ascent seeking to unitize?

22 A. We seek to unitize the entirety of the
23 Utica Shale.

24 Q. As a geologist, how do you define the

1 term "pool"?

2 A. A pool would be an area of the
3 subsurface that has similar rock and reservoir
4 properties, rock type, mineralogy, porosity,
5 permeability, and an accumulation of hydrocarbons
6 in quantities sufficient for economic extraction.

7 Q. Did you evaluate the subsurface beneath
8 the proposed unit?

9 A. I did.

10 Q. During your evaluation, what
11 information did you review and analyze?

12 A. The primary data source for analysis of
13 this type would be nearby wells that had vertical
14 penetration of the Utica formation, the entirety
15 of the Utica formation, and a suite of electric
16 logs over that interval that we could tie to
17 Ascent's petrophysical model, which is tied to
18 real rock data core taken nearby.

19 Additionally, as I'll show, we look at
20 just general structure, so any well nearby that
21 has depth data of the Utica or Point Pleasant. 3D
22 seismic is included in the analysis. A robust and
23 varied amount of data is used for the analysis.

24 Q. I'm showing Exhibit F on the screen

1 currently. Could you please walk us through the
2 information in this exhibit.

3 A. Yes, sir. This is a subsea depth map
4 of the top of the Point Pleasant interval of the
5 Utica, so the depth below sea level. The
6 relatively similarly spaced contours are
7 indicating a gentle, about-a-degree dip to the
8 southeast.

9 The purple crosses represent wells that
10 have depth data, so penetration of the Point
11 Pleasant and some information that allowed me to
12 pick a top in it, mud log, electric log, MWD
13 drilling log, so quite a bit of data to the
14 southeast. Those are almost certainly all
15 laterals, probably all Ascent laterals that have
16 penetrated the Point Pleasant, so a lot of depth
17 data control in this map.

18 The reason for showing something like
19 this is to illustrate that there's no
20 interpretation of significant folding or structure
21 underneath the Archie unit that would
22 compartmentalize or separate or otherwise
23 disqualify the area under the Archie unit to be
24 considered part of one pool or a larger pool.

1 Also illustrated here, the orange
2 circles connected via a line across the unit area,
3 those would be two of the closest, as I mentioned
4 before, vertical wells that had electric logs in
5 them over the Utica interval. These are two of
6 the closest, but there are numerous in this area
7 that were used for this analysis. Those will be
8 illustrated on the subsequent cross-section
9 exhibit. It's just, in this exhibit, just
10 locating them and kind of illustrating that the
11 distance between them is significantly larger than
12 the unit area.

13 Q. Turning to that cross-section exhibit
14 that you mentioned, which is Exhibit E, just like
15 you did for Exhibit F, could you please walk us
16 through the information of this exhibit and tell
17 us how that informed your analysis.

18 A. Yes, sir. So a simple two-well
19 cross-section. I'm illustrating on each well two
20 of the log curves that were taken when logging
21 these vertical pilot wells. On the left of each
22 well is a gamma ray. On the right is a deep
23 resistivity point.

24 And showing these curves is to

1 illustrate the lack in any significant character
2 change from well to well. So without going into
3 any real detail about what those curves measure,
4 what they mean, the lack of character change is
5 indicating no significant change in rock or
6 reservoir properties from well to well, again,
7 over a distance much larger than the unit area.

8 Also illustrated, the horizontal lines,
9 lines of formation correlation, so showing the top
10 of the Utica, the top of the Point Pleasant, and
11 the base of the Utica, which is also the top of
12 the Trenton, illustrating the significantly
13 consistent thickness over an area, again, much
14 larger than the unit area. All of these things
15 are indicating there's no reason to interpret that
16 this would not be part of a larger pool.

17 Q. Thank you for that explanation. And
18 just to be clear here, based on your evaluation,
19 including those two exhibits, do you believe that
20 the unitized formation underlying the proposed
21 unit is a pool or part of a pool?

22 A. I believe it's a part of the larger
23 Utica pool, yeah.

24 Q. Based on the characteristics of the

1 unitized formation, in your opinion, is allocating
2 unit production and cost on a surface acreage
3 basis appropriate in this case?

4 A. I believe so, yes.

5 Q. Could you please explain why you
6 believe that.

7 A. Of course. Essentially, based on this
8 analysis and the idea that there's not significant
9 change over significant distance, there's no
10 reason to believe that, let's say, an acre at the
11 northern end of the unit would have any greater or
12 lesser value than an acre at the southern end of
13 the unit.

14 MR. VALENTINE: Thank you, Mr. Cooper.
15 I have no further questions for you at this time.

16 MS. MARSHALL: Thank you. Mr. Cooper,
17 I have a couple of questions. What is the
18 anticipated true vertical depth of the horizontal
19 portion of the wellbores?

20 THE WITNESS: Yes, ma'am, we anticipate
21 landing at approximately 9,125 feet true vertical
22 depth, with the understanding that that's our
23 prognosed landing that will change as we actually
24 drill the well very slightly.

1 MS. MARSHALL: What is the anticipated
2 true vertical depth of the top of the Utica, the
3 Point Pleasant, and the Trenton?

4 THE WITNESS: With the same caveat that
5 it'll change slightly when we actually drill the
6 well, we anticipate encountering the Utica at
7 8,941 feet, the top of the Point Pleasant at 9,060
8 feet, and the top of the Trenton, or base of the
9 Utica, at 9,184 feet, all of those true vertical
10 depths.

11 MS. MARSHALL: Do you expect production
12 from outside the Point Pleasant?

13 THE WITNESS: Yes, ma'am. The majority
14 of the production will come from the Point
15 Pleasant, but the upper Utica above the Point
16 Pleasant will contribute.

17 MS. MARSHALL: Okay. Thank you. That
18 is all the questions that I have.

19 Ms. Barrett, do you have any questions?

20 MS. BARRETT: No, I do not. Thank you,
21 Mr. Cooper.

22 THE WITNESS: Thank you.

23 MS. MARSHALL: Thank you.

24 Mr. Valentine, please call your next witness.

1 MR. VALENTINE: Our next witness will
2 be Wes McAlister.

3 MS. MARSHALL: Please swear in the
4 witness.

5 - - - - -

6 WES MCALISTER

7 being first duly sworn, testifies and says as
8 follows:

9 DIRECT EXAMINATION

10 BY MR. VALENTINE:

11 Q. Good morning, Mr. McAlister.

12 A. Good morning, Casey.

13 Q. Like your colleagues before you, could
14 you please introduce yourself to everyone and
15 describe your educational and professional
16 background.

17 A. Yes. My name is Wes McAlister. And
18 I'm a reservoir engineer here at Ascent Resources.
19 I graduated from the University of Oklahoma with a
20 degree in petroleum engineering, and I've also
21 earned my MBA. I have 14 years of experience as a
22 petroleum engineer, and this includes three years
23 as an operations engineer and 11 years as a
24 reservoir engineer.

1 Q. Are you a member of any professional
2 associations?

3 A. Yes. I'm a member of the Society of
4 Petroleum Engineers.

5 Q. And what are your typical job
6 responsibilities at Ascent?

7 A. My primary job responsibilities
8 includes forecasting well performance for future
9 wells and existing producing wells. And we use
10 these forecasts along with other inputs such as
11 lease operating expense to forecast cash flow for
12 each well.

13 Q. Could you please tell us a bit about
14 your process for forecasting well performance.

15 A. Yes. We group analogous wells into
16 areas we call type curves. And to do this, we
17 work closely with our geology team to group
18 producing wells based on rock and fluid properties
19 and well performance. And using this group of
20 analogous wells in a type curve area, we generate
21 an expected production profile for an undrilled
22 well location.

23 Q. Did you forecast well performance for
24 the proposed unit under both a unitized operating

1 scenario and a non-unitized operating scenario?

2 A. Yes, I did.

3 Q. What production did you forecast in the
4 unitized operating scenario?

5 A. 41.111 BCFe.

6 Q. And what did you forecast in the
7 non-unitized operating scenario?

8 A. Zero BCFe.

9 Q. So if I'm reading this table correctly,
10 the additional estimated recovery that would be
11 obtained in the unitized operating scenario is
12 this full 41.111 BCFe?

13 A. Yes, that's correct.

14 Q. And do you consider 41.111 BCFe to be a
15 substantial amount of production?

16 A. Yes, that amount is a substantial
17 amount of production. And to justify this
18 statement, if we had a reserve change of this
19 magnitude, we would have to account for this all
20 the way to the top level of management here at
21 Ascent.

22 Q. In your opinion, is an order for unit
23 operations reasonably necessary to increase
24 substantially the ultimate recovery from the

1 proposed unit?

2 A. Yes, it is.

3 Q. Getting back to that additional
4 estimated recovery, what is the anticipated value
5 of this additional 41.111 BCFe?

6 A. So we show the value in the bottom
7 table using two different discount rates, zero
8 percent and 10 percent. The first is PV0, which
9 is the present value of all future expected cash
10 flows undiscounted. And the PV0 value for this
11 41.111 BCFe is \$76.875 million. And the PV10
12 column uses the same future cash flows as PV0, but
13 with an annual discount rate of 10 percent. And
14 the PV10 value is \$39.006 million.

15 Q. Thank you. Does the value of the
16 estimated additional hydrocarbons produced exceed
17 the estimated additional cost needed to produce
18 them?

19 A. Yes, it does.

20 Q. And the last question for you,
21 Mr. McAlister, when you were creating the figures
22 in these tables, how did you account for well pad
23 costs?

24 A. Since this part has already been built,

1 I used the actual pad cost.

2 MR. VALENTINE: Thank you,
3 Mr. McAlister. I have no further questions for
4 you right now.

5 MS. MARSHALL: (Unintelligible).

6 MR. VALENTINE: Ms. Marshall, I think
7 you may be having those microphone issues again.

8 MS. MARSHALL: You can't hear me?

9 THE REPORTER: I can hear you now.

10 MS. MARSHALL: Oh, okay. Do you hear
11 me now? Okay. I have to lean forward for some
12 reason. We'll get through this.

13 Okay. What is the estimated economic
14 life of the wells in years?

15 THE WITNESS: 50 years.

16 MS. MARSHALL: What price was used in
17 the economic calculations?

18 THE WITNESS: I used the four-year
19 strip price dated June 30, 2025. And then using
20 that last year, I kept that flat and ran it out
21 for the life of the well. And that last year
22 pricing is \$3.81 per MCF.

23 MS. MARSHALL: When do you estimate you
24 will recover the cost of drilling, testing, and

1 completing the wells at one times, one and a half
2 times, two times, and three times?

3 THE WITNESS: At one time its cost, we
4 estimate 0.4 years; 1.5 times cost, 0.7 years;
5 two-times cost, 1.1 years; and three-times cost,
6 3.1 years.

7 MS. MARSHALL: (Unintelligible).

8 THE REPORTER: I can't hear you. I
9 couldn't hear you again.

10 MS. MARSHALL: How many total wells
11 will be drilled from the pad?

12 THE WITNESS: There'll be eight total
13 wells on this pad. There's four existing wells
14 and there'll be four new wells.

15 MS. MARSHALL: Did you factor in costs
16 for shutdowns of the existing wells due to
17 simultaneous operations? If no, why not?

18 THE WITNESS: No, we did not burden
19 this Archie Northeast well with SIMOPs costs for
20 other wells. We believe that it's best to
21 attribute those costs just to those individual
22 wells.

23 MS. MARSHALL: (Unintelligible).

24 THE WITNESS: I'm sorry. Can you -- I

1 didn't hear that. I'm sorry. Can you please
2 repeat?

3 MS. MARSHALL: (Unintelligible).

4 THE REPORTER: I can't hear you.
5 Ms. Marshall, I can't hear you at all.

6 MS. MARSHALL: Okay. Yeah, I'm --

7 MS. BARRETT: Cynthia, I can go ahead
8 and take over. I'm sorry.

9 MS. MARSHALL: Okay. Thank you. I'm
10 so sorry, everyone. I'm having problems with my
11 computer. Thank you so much, Jennifer.

12 - - - - -

13 CROSS-EXAMINATION

14 BY MS. BARRETT:

15 Q. You said that pad costs -- actual pad
16 costs were used. Did you split those evenly
17 amongst all eight wells off the pad?

18 A. Yes, I did.

19 Q. What amount was included for plugging
20 and restoration costs per well?

21 A. We used \$250,000 per well. And this
22 includes plugging and abandonment costs, the cost
23 for pad reclamation, and any salvage value that
24 well may have.

1 Q. What is the estimated BCFe per 1,000
2 feet?

3 A. 1.72 BCFe per 1,000 feet.

4 Q. And what's the estimated recovery
5 factor in the area?

6 A. Generally, around 55 percent for this
7 area.

8 MS. BARRETT: Okay. Thank you. No
9 further questions for me.

10 MS. MARSHALL: Okay. We're going to
11 try this. Can you hear me?

12 MS. BARRETT: Yes, we can hear you.

13 MS. MARSHALL: Okay. Once again, if
14 you would like to make comments, I'm going -- I'm
15 first going to take all of your names and note
16 whether you are an unleased mineral owner, working
17 interest owner, or an owner with property in the
18 unit. Only one person may speak at a time to
19 properly record the hearing. And please mute your
20 microphone once you have delivered your comments
21 or questions to avoid any feedback.

22 Additionally, anyone speaking today
23 will be asked to provide their information to the
24 court reporter. If you are uncomfortable speaking

1 during the hearing, we will also accept written
2 comments.

3 I have Matt Berkeley, and now will ask
4 for anyone else who wishes to make comments. If
5 you have joined us via WebEx and would like to
6 make comments, please unmute yourself and state
7 your name.

8 Hearing none.

9 If anyone has joined us via phone and
10 would like to make comments, please unmute
11 yourself by pressing "star 6" and state your name.

12 MR. HECKATHORN: Yes, ma'am. My name
13 is Tyler Heckathorn, here on behalf of the Eric
14 Petroleum parties.

15 MS. MARSHALL: Okay. Mr. Heckathorn,
16 we have you listed down. Is there anyone else?

17 As a reminder, we ask that any
18 interested party who speaks here today pose any
19 questions to the Division, and we will then ask
20 any questions to the Applicant.

21 Mr. Berkeley, please let us know if you
22 are here and ready to be sworn in.

23 MR. BERKELEY: I'm here. Can you hear
24 me?

1 MS. MARSHALL: Yes, I can. Thank you.

2 Please swear in Mr. Berkeley.

3 (Mr. Berkeley is sworn in.)

4 MS. MARSHALL: Mr. Berkeley, please
5 proceed with your comments or questions.

6 MR. BERKELEY: Yeah, my first question
7 is, did ARU file -- or did Ascent file a
8 supplement to their application and on what date?

9 MS. BARRETT: Yeah, so the Division did
10 receive a pre-hearing supplement. It looks like
11 it was received on October 14th.

12 MR. BERKELEY: Okay. ARU testified
13 today about receiving a release and an oil and gas
14 lease. The releases were filed by -- were from
15 Sam Skipper, Samurai Operating Corp, releasing oil
16 and gas lease 55447, filed in Harrison and
17 Jefferson County. We provided that to ARU on
18 October 14th; however, we had also previously
19 provided them our oil and gas lease on
20 September 30th.

21 So my question is, how is our oil and
22 gas lease represented in the supplement?

23 MS. BARRETT: Ascent, are you able to
24 respond to that question?

1 MS. MCDONALD: Yes, I can. So we
2 received the lease from RHDK prior to submitting
3 our pre-hearing supplement. So we listed RHDK as
4 a potential working interest owner on Exhibit C of
5 our pre-hearing supplement for Tract 125 due to
6 that lease that they sent us that was filed of
7 record for that same tract.

8 With that said, we received a recorded
9 release after we submitted our pre-hearing
10 supplement covering Tract 125. The release in
11 lease appears to cover Tract 125, but we're still
12 working to confirm that's accurate. Our records
13 reflect there were multiple working interest
14 parties with record title ownership, and the
15 release we received did not incorporate all of
16 them.

17 We will adjust our exhibits in our
18 post-hearing supplement if these documents we've
19 received are deemed sufficient to clear title, but
20 we're still reviewing.

21 MR. BERKELEY: My question would be, is
22 the Exhibit C available online, the supplemented
23 Exhibit C?

24 MS. BARRETT: Supplements are not

1 available online at this time. But we are able to
2 offer that to you if you're interested.

3 MR. BERKELEY: The reason why I ask is
4 because I see RHDK Investments, LLC listed as a
5 disputed person, but I don't see RHDK Oil & Gas.
6 I guess I don't recall that this was brought up
7 before the application was filed, so I'm assuming
8 maybe this was it, but the -- I guess, can the
9 ODNR confirm then that supplement recognizes that
10 Tract 125 is leased, not -- because what's
11 available online says unleased. And there isn't a
12 place on Exhibit C to recognize working interest
13 necessarily. This looks like it just -- these
14 appear to only cover mineral interests.

15 So my question is -- is, will RHDK Oil
16 & Gas' interest be identified on Exhibit C in the
17 supplement, or is that where it is? I mean,
18 how -- what can we -- can you answer the question?

19 MS. BARRETT: As to what the supplement
20 says, we can forward the supplement on to you
21 right after this hearing. If you stick around on
22 the call after the hearing concludes, we will get
23 your email address and we can forward that to you.
24 I think Ascent has already testified that they're

1 looking into how it would be updated in a
2 post-hearing supplement if it needs to be. So...

3 MR. VALENTINE: I think I could provide
4 some helpful information here --

5 MS. BARRETT: Sure --

6 MR. VALENTINE: -- to answer his
7 question. In the Exhibit C that was included in
8 the supplement for October 14th, RHDK Oil & Gas is
9 listed in Exhibit C for Tract 125 and is flagged
10 with a couple asterisks with the following note
11 stating this indicates the party has claimed to be
12 a working interest owner of the oil and gas lease
13 covering the interest in the tract. So we do flag
14 RHDK Oil & Gas, LLC as a potential working
15 interest owner on Exhibit C.

16 MR. BERKELEY: Oh, thank you very much.
17 We appreciate that. So with that said, I need
18 that information before I ask my other question,
19 which is -- so with RHDK Oil & Gas and RHDK
20 Investments both listed on Exhibit C, does ARU
21 consider the RHDK interests subject to the
22 unitization if an order is issued?

23 MS. BARRETT: Ms. McDonald, are you
24 able to answer?

1 MS. MCDONALD: Yes. Can you repeat the
2 question?

3 MR. BERKELEY: Okay. So you -- in the
4 supplement, according to your counsel, RHDK Oil &
5 Gas Investments -- I'm sorry. RHDK Oil & Gas and
6 RHDK Investments are both listed on Exhibit C,
7 Adverse Claims. Would ARU consider RHDK
8 Investments and RHDK Oil & Gas interests subject
9 to the unitization JOA if an order is issued?

10 MS. MCDONALD: So at this time, we feel
11 that it's a little bit difficult to answer the
12 hypothetical because we don't have the full
13 timeline and facts; however, we have listed RHDK
14 Oil & Gas on Exhibit C as a potential working
15 interest owner.

16 And if we determine that the lease
17 taken by RHDK Oil & Gas is the operative lease
18 covering the tracts in the unit, then we -- and we
19 receive the necessary documentation proving
20 ownership is clear and not in dispute, we are open
21 to allowing RHDK Oil & Gas to participate in the
22 unit as a working interest owner.

23 MR. BERKELEY: Okay. You said a couple
24 of things there, because -- you said you needed

1 more time to think about it, but then you said
2 that if you come to the conclusion that you
3 believe we own it, we -- by the way, we already
4 believe we own it, and we're going to defend that.
5 But what you're saying is, is that at the time you
6 determine that we -- Ascent determines we own it,
7 then you will allow us the opportunity to
8 participate?

9 MS. MCDONALD: If it is determined that
10 title is clear, yes, we will.

11 MR. BERKELEY: At any time in the
12 future?

13 MS. MCDONALD: Yes.

14 MR. BERKELEY: So we would not be
15 subject to the application JOA? Because the
16 application JOA says that at the time that the
17 order is issued, when a permit is issued, any
18 party that comes into title is deemed non-consent.
19 But you just said that you'd allow us the
20 opportunity to participate. So is that -- so
21 that's what you're -- so we would not be subject
22 to the application order?

23 MS. MCDONALD: Well, we also have a
24 Paragraph O of the JOA that Ascent added to the

1 unitization JOA to set a deadline for determining
2 what working interest owners, if any, will elect
3 to participate in the well. This gives both
4 operator and non-operator partners more certainty
5 and helps the operator prepare and finalize how
6 costs and revenues from the well or wells will be
7 shared. Circumstances will change and parties may
8 not change their mind.

9 The finality and certainty provided by
10 Paragraph O supports Ascent's position that is
11 fair and reasonable provision to include in the
12 JOA -- in the unitized JOA.

13 MR. BERKELEY: Okay. So I'm going to
14 state it again. Your testimony was that when --
15 if ARU comes to the conclusion that RHDK Oil &
16 Gas's lease is valid, you said that you would
17 allow us the opportunity to participate. You said
18 you do not know if we're subject to the
19 application JOA. You're reading a Paragraph O
20 that is part of the application JOA.

21 So my question, again, is, are we
22 subject to the order or are we not?

23 MR. VALENTINE: Ms. Barrett, I think
24 Ms. McDonald has answered, you know, the question

1 that they're working to make this determination
2 that they --

3 MS. BARRETT: It's understood that
4 there may be a property dispute here.

5 Mr. Berkeley, do you have comments --

6 MR. BERKELEY: Yeah, it's not a
7 property dispute.

8 MS. BARRETT: Mr. Berkeley --

9 MR. BERKELEY: It's not a property
10 dispute --

11 MS. BARRETT: Mr. Berkeley, please do
12 not talk over me. If you have comments you would
13 like to make related to this, can you please make
14 comments rather than asking questions? I think
15 Ms. McDonald has stated what Ascent's position is
16 related to this.

17 MR. BERKELEY: I don't think she's
18 answered the question because she's answered it in
19 multiple ways. She said we are subject to the
20 application JOA, and she said she doesn't know if
21 we're subject to the application JOA.

22 MS. BARRETT: Okay. And your concern
23 is that at some point you would be cut off and
24 precluded from participating. Is that the

1 concern?

2 MR. BERKELEY: Paragraph O does create
3 that circumstance. And if they don't know if
4 we're subject to the JOA, then how can we protect
5 our interest? Because the answer to the question
6 of whether or not our lease is valid is subjective
7 and Ascent is making the decision on their own.

8 I mean, with -- because I also asked
9 the question, are there other unreleased oil and
10 gas leases for anyone else in the unit that is
11 being contributed to Exhibit A? Because I imagine
12 there's multiples of unreleased oil and gas
13 leases.

14 MS. BARRETT: Okay. Your comments are
15 understood. So do you have any further comment?

16 MR. BERKELEY: Let me just look at my
17 notes. So just -- can I clarify again,
18 Ms. McDonald, you are not certain whether or not
19 our oil and gas lease would be subject to the
20 order?

21 MR. VALENTINE: Again, she is unable to
22 answer that because she's unable to make that
23 determination of whether or not the lease is valid
24 or not. I think she's still working on that. And

1 that's a private issue that she's going to work
2 through and then make that determination.

3 MR. BERKELEY: Okay. So my other
4 question, what is the point of the adverse claims
5 then?

6 MR. VALENTINE: To provide valid --
7 I'll let you...

8 MS. BARRETT: Go ahead, Mr. Valentine.

9 MR. VALENTINE: I was going to say, the
10 point is to acknowledge any, you know, potential
11 claims, potential owners, so that anyone
12 potentially having an interest in the unit has
13 the -- has notice of the hearing and the
14 opportunity to comment.

15 And then if, you know, a lot of times
16 the parties listed on Exhibit C have private title
17 issues, like you do, that the Applicant is working
18 through but they want to allow that party to have
19 notice of the hearing and make comments, that they
20 are informed and have the right to do so. And
21 then the Applicant can continue to work through
22 those private title issues outside of this
23 unitization hearing, which is not the appropriate
24 forum for, you know, arguing this.

1 MR. BERKELEY: So given that Exhibit C
2 provides an opportunity for individuals and
3 entities to put on record that they have an
4 adverse claim, what advantages or opportunities
5 does it create for ourselves, given that ARU has
6 added Paragraph 0 to their JOA's whereby they can
7 declare us non-consenting while we settle our
8 disputes?

9 MS. BARRETT: I think the question you
10 just asked requires legal advice. And both --
11 neither I nor the Applicant are going to be able
12 to provide that to you.

13 MR. BERKELEY: So my other question is
14 for ODNR. Were you -- are you familiar with
15 Paragraph 0 before today and was that discussed as
16 it was added to the application, or is this
17 something that maybe is just coming to light?

18 MS. BARRETT: So these hearings are an
19 opportunity -- an informational gathering
20 opportunity for the Division to gather information
21 on the application for both the applicants and
22 anyone who has a potential interest or an interest
23 in the unit.

24 So we are here to gather comments as

1 to -- I understand that you have concerns with
2 Exhibit O. So that is noted for the record. Do
3 you have any other comments you'd like to make?

4 MR. BERKELEY: Yeah. Just to -- on the
5 comment about the ODNR to contemplate the
6 unitization, the purpose of the unitization is to
7 bring together all the parties involved for
8 everyone's benefit.

9 I think also, as this has progressed,
10 that the intent being that everyone has an
11 opportunity to compete for and to participate in
12 the units, I guess just a comment that this
13 Paragraph O creates a circumstance whereby it
14 limits all the above. And I hope there's some
15 consideration given on how it affects working
16 interest owners and mineral owners in the future.

17 MS. BARRETT: Okay. Thank you. Your
18 comments have been noted for the record.

19 MS. MARSHALL: Thank you.
20 Mr. Heckathorn, please let us know if you're ready
21 to be sworn in.

22 MR. HECKATHORN: Yes, ma'am.

23 MS. MARSHALL: Please swear in
24 Mr. Heckathorn.

1 (Mr. Heckathorn is sworn in.)

2 MS. MARSHALL: Mr. Heckathorn, please
3 proceed with your comments or questions.

4 MR. HECKATHORN: Sure. Thank you.
5 Earlier, I believe it was stated that the pending
6 or potential owner royalties listed on Exhibit C
7 would be held in suspense. But I believe in the
8 past it was also testified to that Eric Petroleum
9 parties may be treated differently based on some
10 existing relationships between the parties.

11 And I just wanted to check to make sure
12 we're going to be treated the same, or would our
13 potential or pending owner royalties be held in
14 suspense as well?

15 MS. BARRETT: Ms. McDonald or
16 Mr. Valentine, if either of you are able to answer
17 that question.

18 MS. MCDONALD: Yes, I can. In this
19 instance, in this unit, Eric Petroleum is listed
20 on Exhibit C out of an abundance of caution. In
21 this particular case, there are other owners
22 listed on Exhibit C for Tract 66 pertaining to
23 mineral interests. Therefore, royalties will be
24 placed in suspense for that tract for those

1 reasons.

2 Eric Petroleum is listed on C for
3 Tracts 34, 66, 90, and 101 due to pending
4 outstanding litigation. Generally, we would not
5 suspend royalties. In this case, we don't feel
6 it's necessary.

7 MR. HECKATHORN: Thank you. I know
8 that the testimony provided that there are some
9 potential risks associated with drilling wells. I
10 was wondering, are there any risks found specific
11 to this particular well, or is that just referring
12 to general risks in drilling oil wells?

13 MS. BARRETT: Mr. Cooper, are you able
14 to answer that question?

15 MR. COOPER: Can he repeat the
16 question, please?

17 MR. HECKATHORN: Sure. There's your
18 testimony that there are potential risks
19 associated with drilling wells. I was wondering,
20 are there any risks that are found specific to
21 this particular well, the 7H, or are the risks
22 involved here just general risks in drilling oil
23 wells?

24 MR. COOPER: Yeah, this is general

1 operational risks. I actually testified that for
2 another unit, but the same applies. This is
3 general operational risks. I don't see in our 3D
4 seismic or our -- any of the data I reviewed
5 actual geologic risk, if that's what you're
6 asking.

7 MR. HECKATHORN: Thank you. I
8 appreciate that. I also wanted to know if it was
9 determined if these wells are offset,
10 developmental, or wildcat wells. If so, what was
11 it determined that they are?

12 MS. BARRETT: Mr. Cooper, are you also
13 able to answer that question?

14 MR. COOPER: Maybe Wes would be better
15 to answer. We don't really classify our wells
16 that way.

17 MS. BARRETT: Okay. Mr. McAlister?

18 MR. MCALISTER: Yes, there are numerous
19 nearby producing wells. So if we would put them
20 in a category, that would be a development-type
21 location.

22 MR. HECKATHORN: Okay. Thank you. Was
23 it determined what the five-times payout for this
24 well is?

1 MS. BARRETT: Mr. McAlister, if you're
2 also able to answer that question.

3 MR. MCALISTER: Yes. We estimate 21.2
4 years for a five-times payout.

5 MR. HECKATHORN: Thank you. Just a
6 couple more questions. Was there any particular
7 reason Ascent decided to do four one-well units
8 rather than one big four-well unit?

9 MS. BARRETT: If someone from the
10 Applicant is able to discuss reasoning behind
11 creating four one-well units.

12 MR. VALENTINE: Ms. McDonald, is that
13 something that you could answer or would you need
14 to check in with people at Ascent?

15 MS. MCDONALD: Sure. One of the
16 reasons -- I'm sure there are multiple that I
17 can't speak to, but we split them up based on
18 pooling limitations to allow pooling limitations
19 and releases.

20 MR. HECKATHORN: Thank you. And
21 finally, I know under the statute the unit plan
22 approval is always required in writing from the
23 royalty owners. Usually that requirement has been
24 met by Ascent through an affidavit that's signed

1 solely by the landman. Do you know if you're
2 planning on continuing that practice with this
3 unit?

4 MS. BARRETT: Ms. McDonald, are you
5 able to answer that?

6 MS. MCDONALD: Yes. The answer is yes.

7 MR. HECKATHORN: Okay. Thank you. I
8 have no further questions at this time. I
9 appreciate your time.

10 MS. MARSHALL: Thank you,
11 Mr. Heckathorn, for your comments.

12 Ms. Barrett, do you have any additional
13 questions for the Applicant?

14 MS. BARRETT: No, I do not. Thank you.

15 MS. MARSHALL: Does the Applicant have
16 any closing remarks?

17 MR. VALENTINE: We do not. Thank you
18 for your time this morning.

19 MS. MARSHALL: Thank you, everyone.
20 The hearing is now concluded.

21 - - - - -

22 Thereupon, the foregoing proceedings
23 concluded at 9:57 a.m.

24 - - - - -

1 State of Ohio : C E R T I F I C A T E
2 County of Franklin: SS

3 I, Katherine Konneker, a Notary Public in and
4 for the State of Ohio, do hereby certify that I
5 transcribed or supervised the transcription of the
6 audio recording of the aforementioned proceedings;
7 that the foregoing is a true record of the
8 proceedings.

9 I do further certify I am not a relative,
10 employee or attorney of any of the parties hereto,
11 and further I am not a relative or employee of any
12 attorney or counsel employed by the parties
13 hereto, or financially interested in the action.

14 IN WITNESS WHEREOF, I have hereunto set my
15 hand and affixed my seal of office at Columbus,
16 Ohio, on November 5, 2025.

17
18
19 *Katherine J. Konneker*

20 _____
21 Katherine Konneker, Notary Public - State of Ohio
22 My commission expires February 28, 2027.

Vorys, Sater, Seymour and Pease LLP
Greg D. Russell, Mark A. Hylton, and Casey Valentine
Attorneys for Applicant



ARCHIE NE WYN JF UNIT

Application for Unit Operations

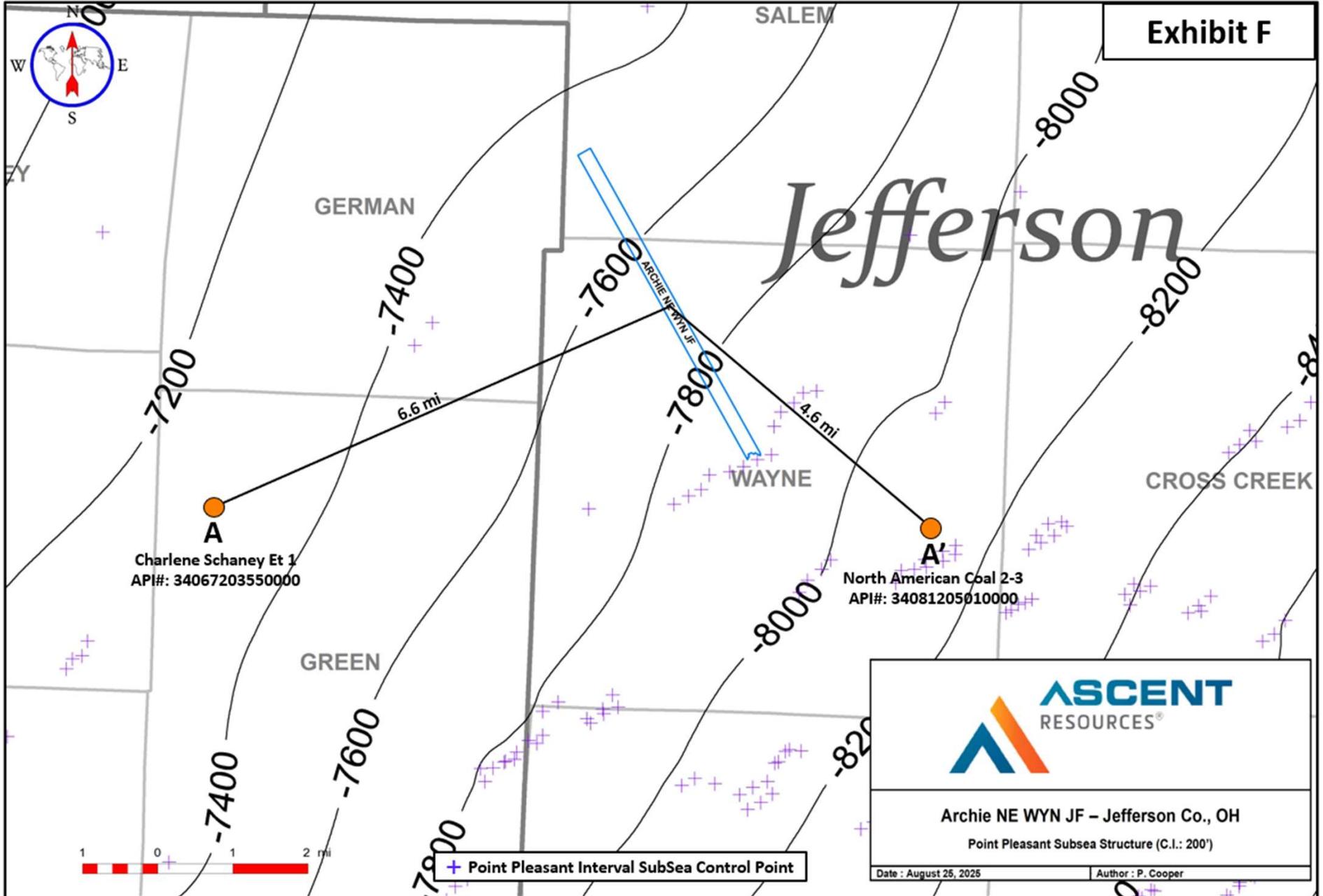
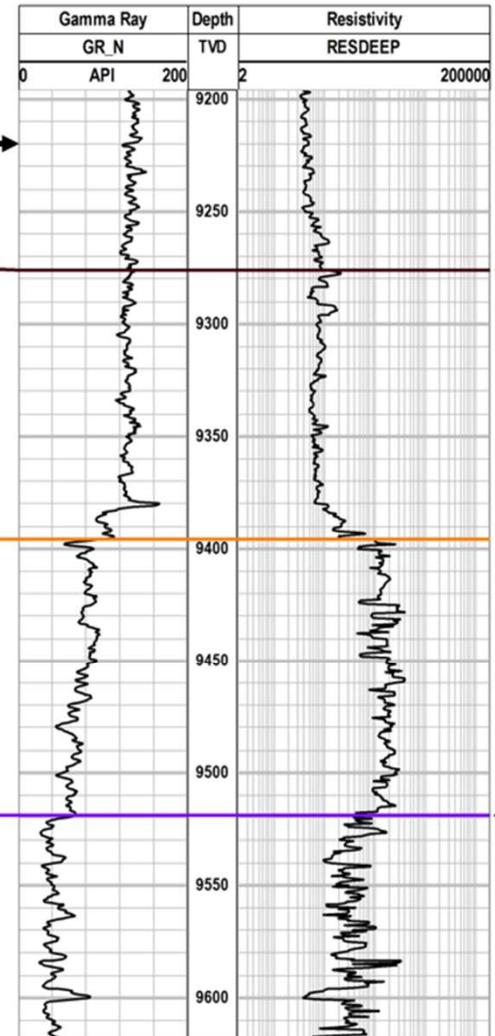
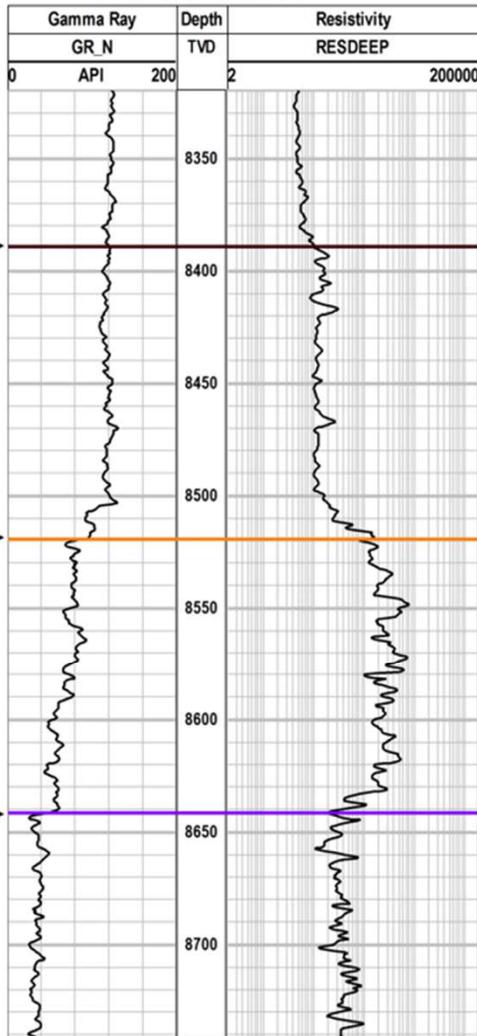


Exhibit E

A
Charlene Schaney Et 1
API#: 34067203550000

A'
North American Coal 2-3
API#: 34081205010000



Approx. Location of
Archie NE WYN JF Unit

6.6 miles

4.6 miles

Proposed
Unitized
Formation

Top of the Utica
8,389' TVD
-7,154' Subsea

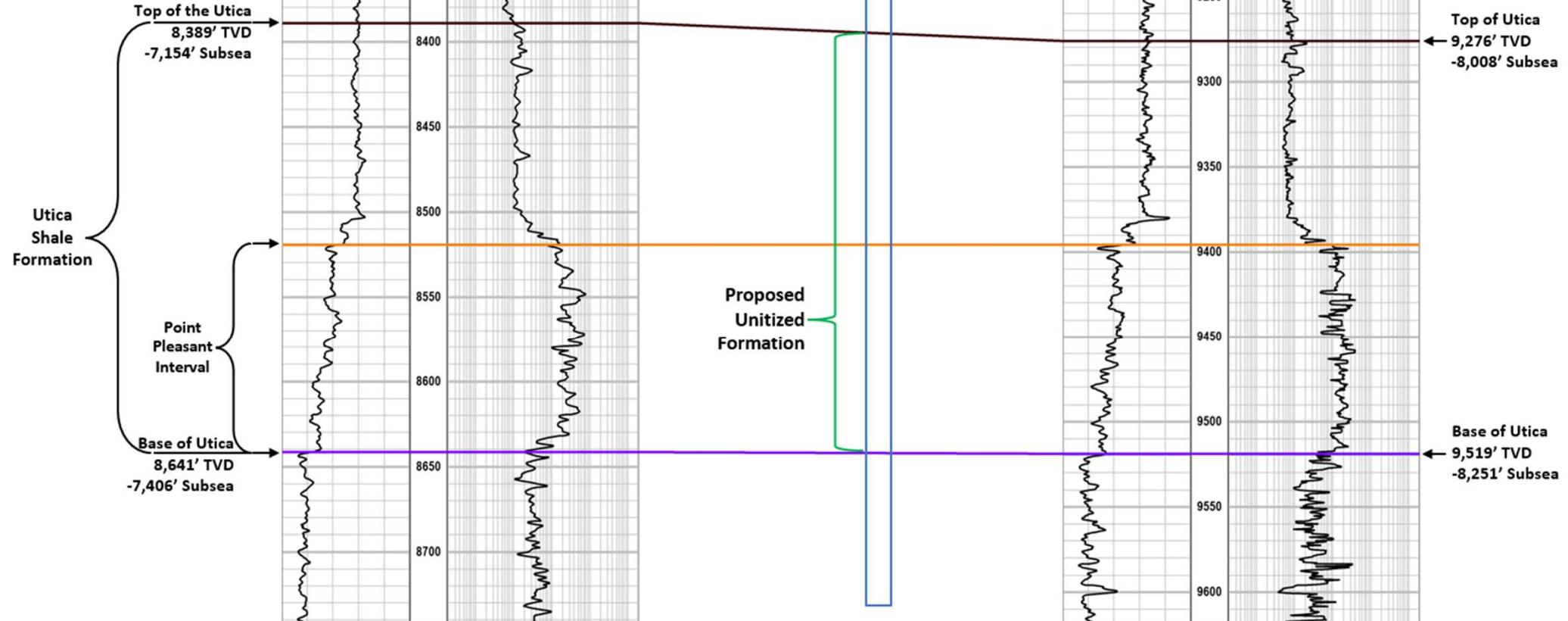
Top of Utica
9,276' TVD
-8,008' Subsea

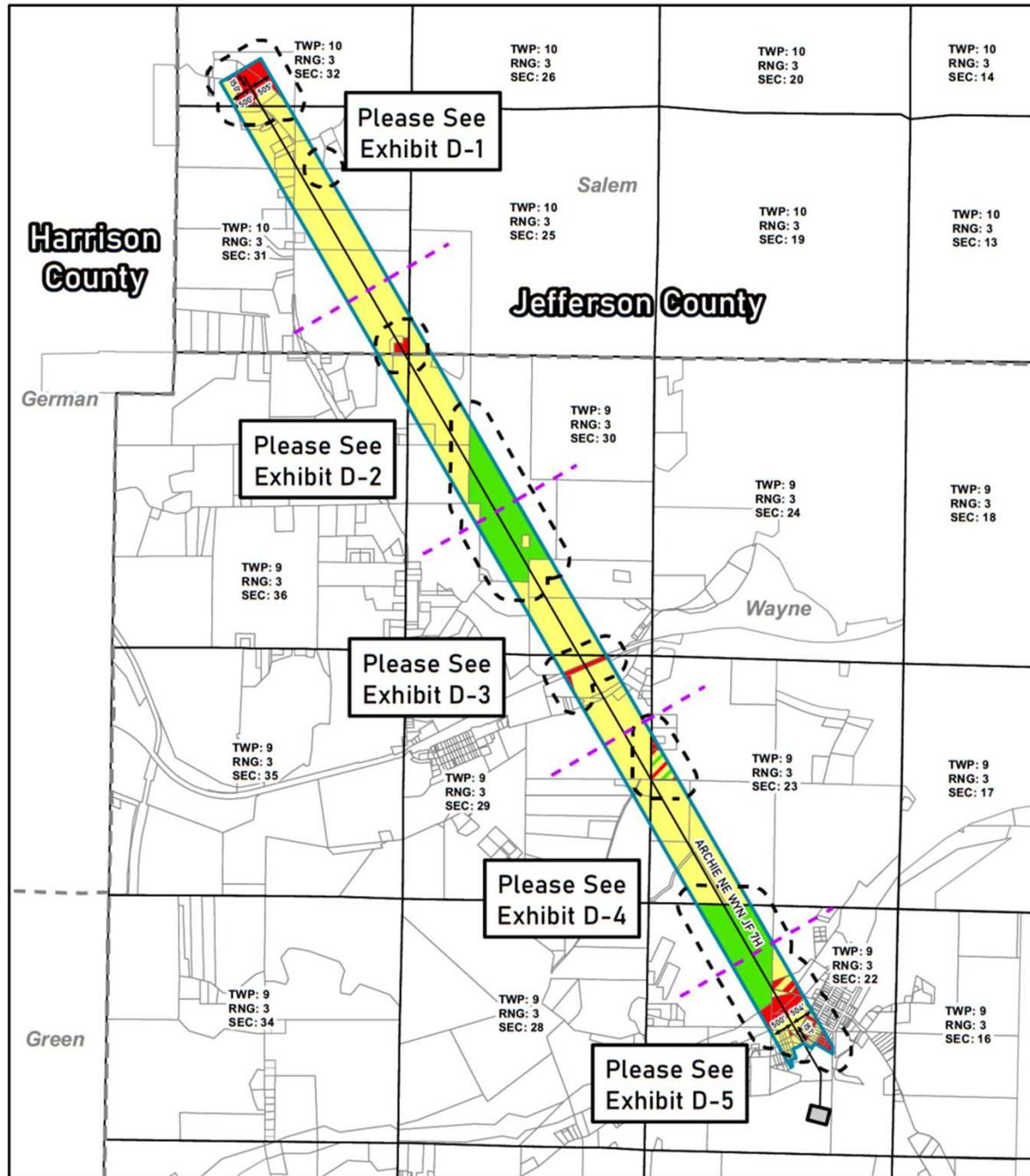
Utica
Shale
Formation

Point
Pleasant
Interval

Base of Utica
8,641' TVD
-7,406' Subsea

Base of Utica
9,519' TVD
-8,251' Subsea





NAD 1927 StatePlane Ohio South FIPS 3402

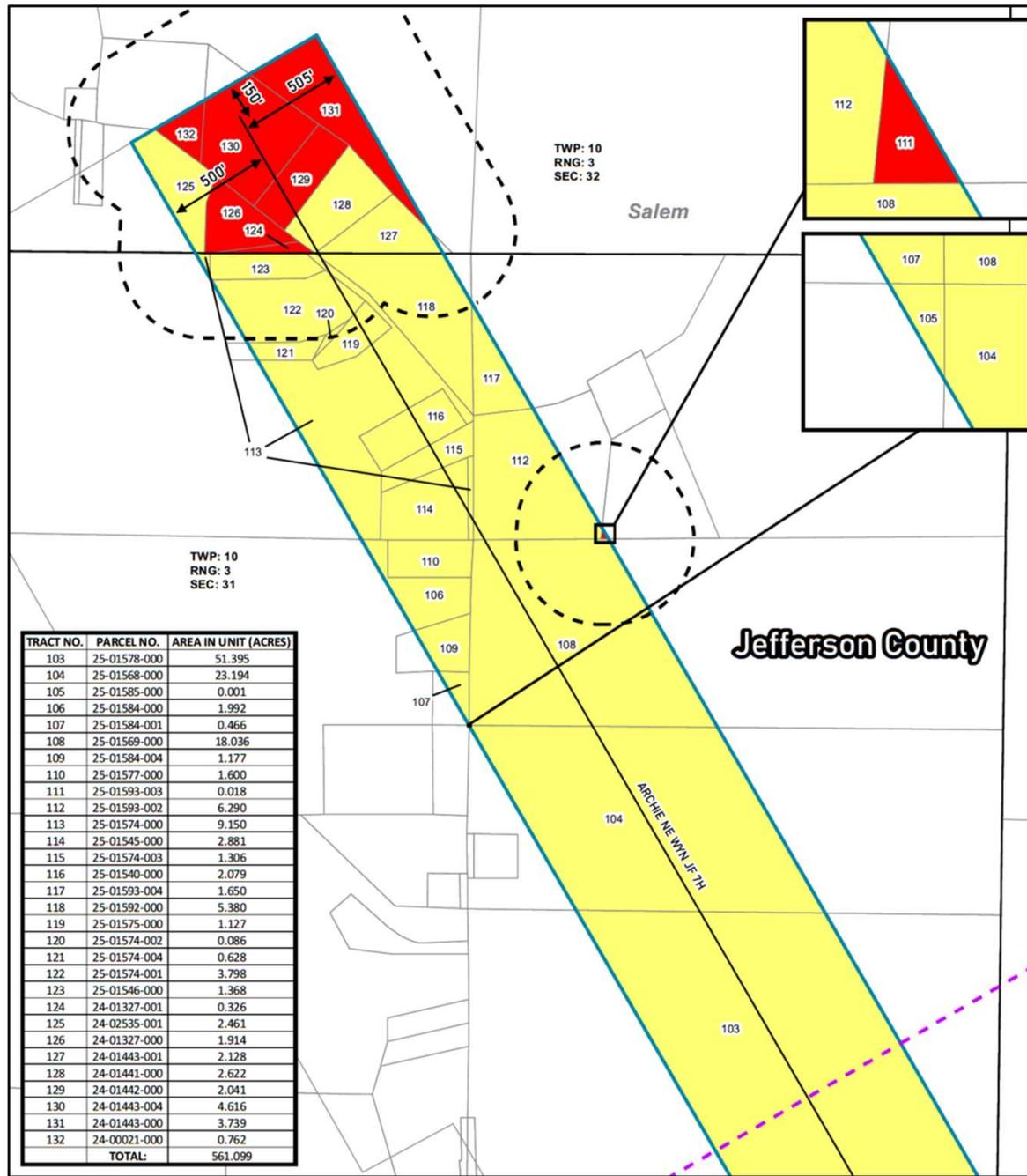
Revised 10/14/2025

ARCHIE NE WYN JF EXHIBIT D: Well Plat

0 1,150 2,300 4,600 6,900 9,200 Feet

1 INCH = 2,300 ft.

- Archie NE WYN JF Unit - 561.099 Ac.
- Pad
- Lateral
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Non-Consenting Parcels
- Partially Consenting/Unleased
- Partially Consenting/Unleased/Non-Consenting
- Unleased Parcels
- County Boundaries



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
103	25-01578-000	51.395
104	25-01568-000	23.194
105	25-01585-000	0.001
106	25-01584-000	1.992
107	25-01584-001	0.466
108	25-01569-000	18.036
109	25-01584-004	1.177
110	25-01577-000	1.600
111	25-01593-003	0.018
112	25-01593-002	6.290
113	25-01574-000	9.150
114	25-01545-000	2.881
115	25-01574-003	1.306
116	25-01540-000	2.079
117	25-01593-004	1.650
118	25-01592-000	5.380
119	25-01575-000	1.127
120	25-01574-002	0.086
121	25-01574-004	0.628
122	25-01574-001	3.798
123	25-01546-000	1.368
124	24-01327-001	0.326
125	24-02535-001	2.461
126	24-01327-000	1.914
127	24-01443-001	2.128
128	24-01441-000	2.622
129	24-01442-000	2.041
130	24-01443-004	4.616
131	24-01443-000	3.739
132	24-00021-000	0.762
TOTAL:		561.099

ARCHIE NE WYN JF EXHIBIT D-1: Well Plat

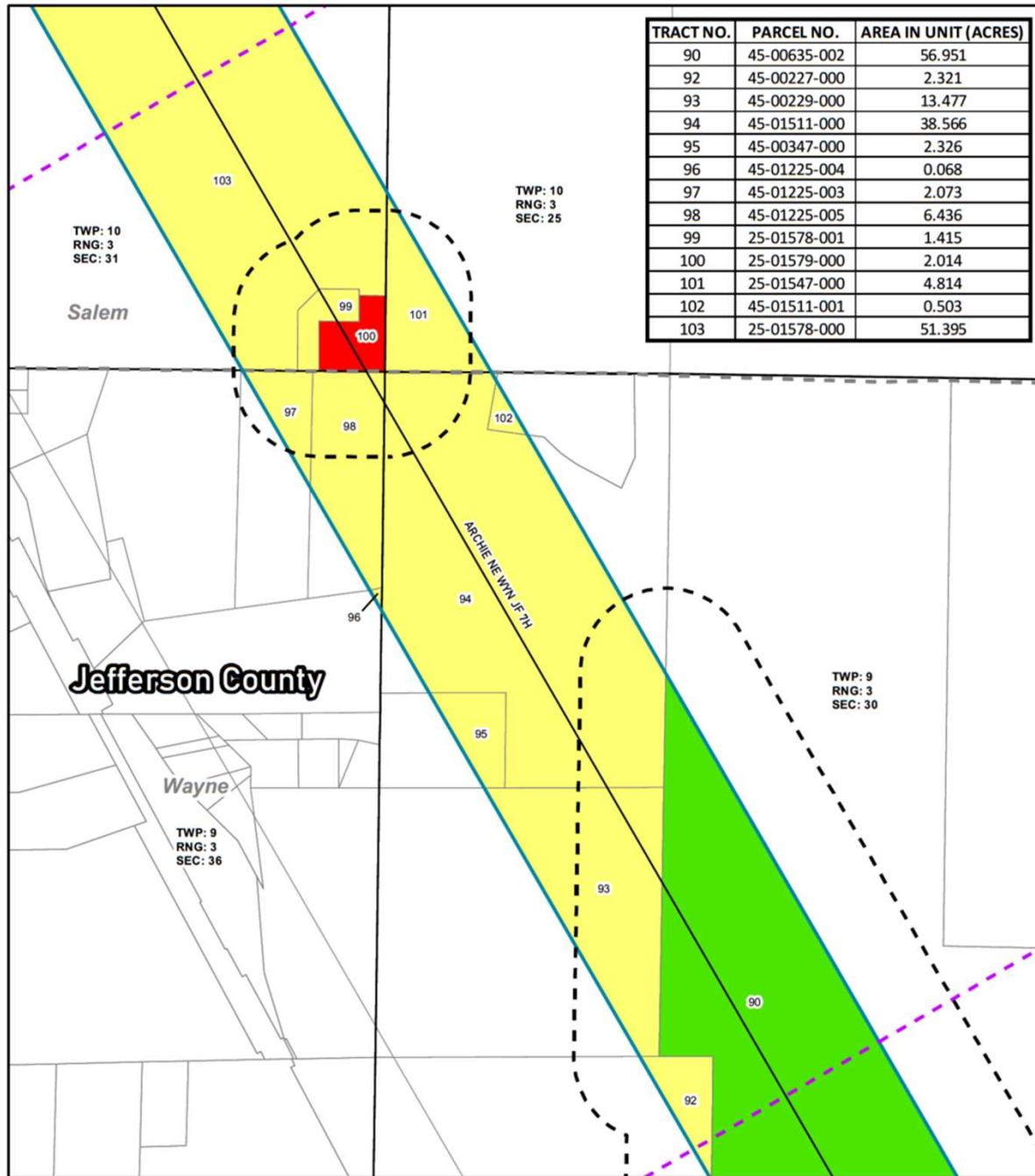


1 INCH = 500 ft.

- Archie NE WYN JF Unit - 561.099 Ac.
- Pad
- Lateral
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Partially Consenting/Unleased
- Non-Consenting Parcels
- Partially Consenting/Unleased/Non-Consenting
- Unleased Parcels
- County Boundaries



NAD 1927 StatePlane Ohio South FIPS 3402



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
90	45-00635-002	56.951
92	45-00227-000	2.321
93	45-00229-000	13.477
94	45-01511-000	38.566
95	45-00347-000	2.326
96	45-01225-004	0.068
97	45-01225-003	2.073
98	45-01225-005	6.436
99	25-01578-001	1.415
100	25-01579-000	2.014
101	25-01547-000	4.814
102	45-01511-001	0.503
103	25-01578-000	51.395



NAD 1927 StatePlane Ohio South FIPS 3402

ARCHIE NE WYN JF EXHIBIT D-2: Well Plat

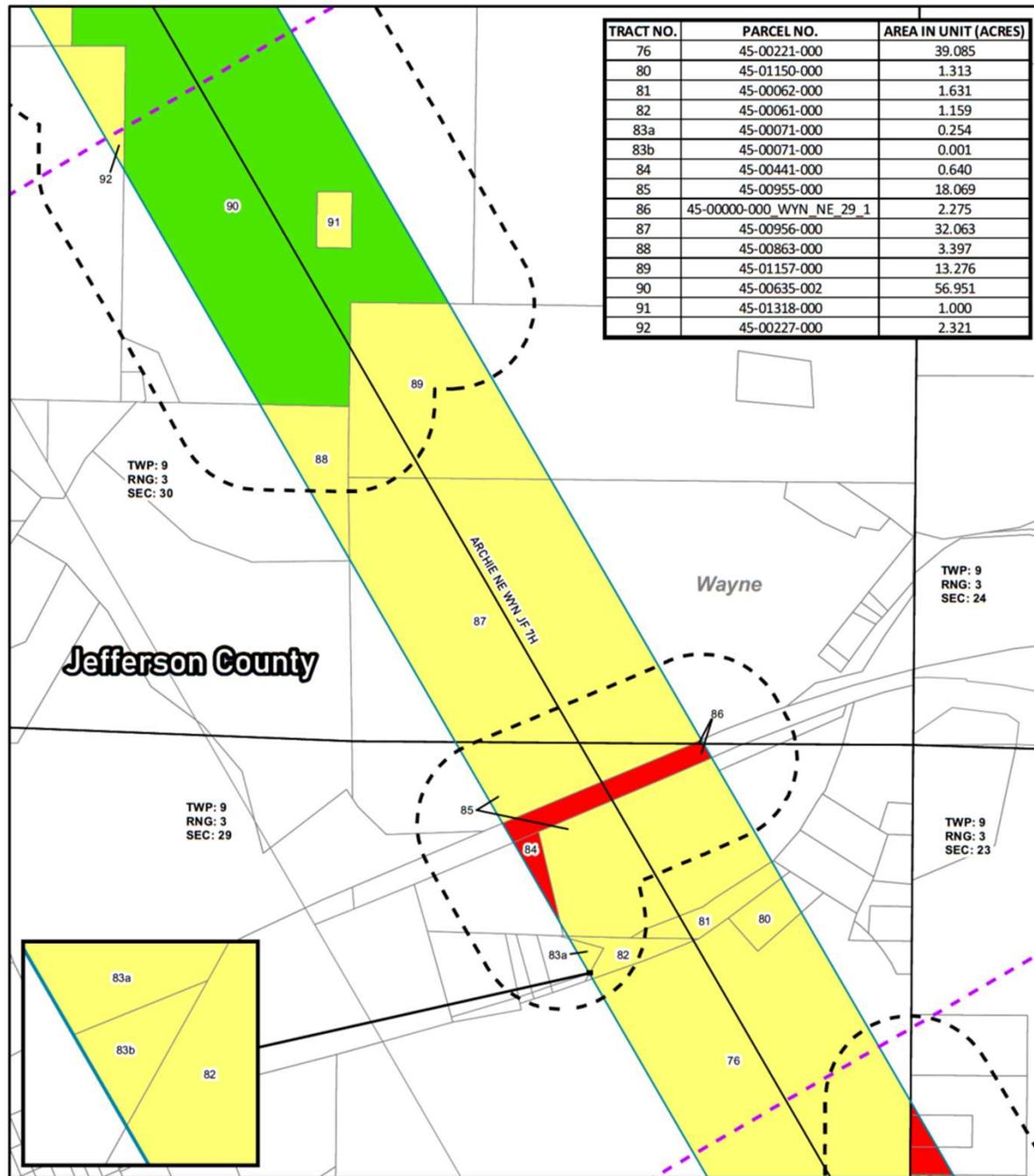


1 INCH = 500 ft.

- Archie NE WYN JF Unit - 561.099 Ac.
- Pad
- Lateral
- Buffer - 400 Ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Partially Consenting/Unleased
- Non-Consenting Parcels
- Partially Consenting/Unleased/Non-Consenting
- Released Parcels
- Parcels_Polygon



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
76	45-00221-000	39.085
80	45-01150-000	1.313
81	45-00062-000	1.631
82	45-00061-000	1.159
83a	45-00071-000	0.254
83b	45-00071-000	0.001
84	45-00441-000	0.640
85	45-00955-000	18.069
86	45-00000-000_WYN_NE_29_1	2.275
87	45-00956-000	32.063
88	45-00863-000	3.397
89	45-01157-000	13.276
90	45-00635-002	56.951
91	45-01318-000	1.000
92	45-00227-000	2.321



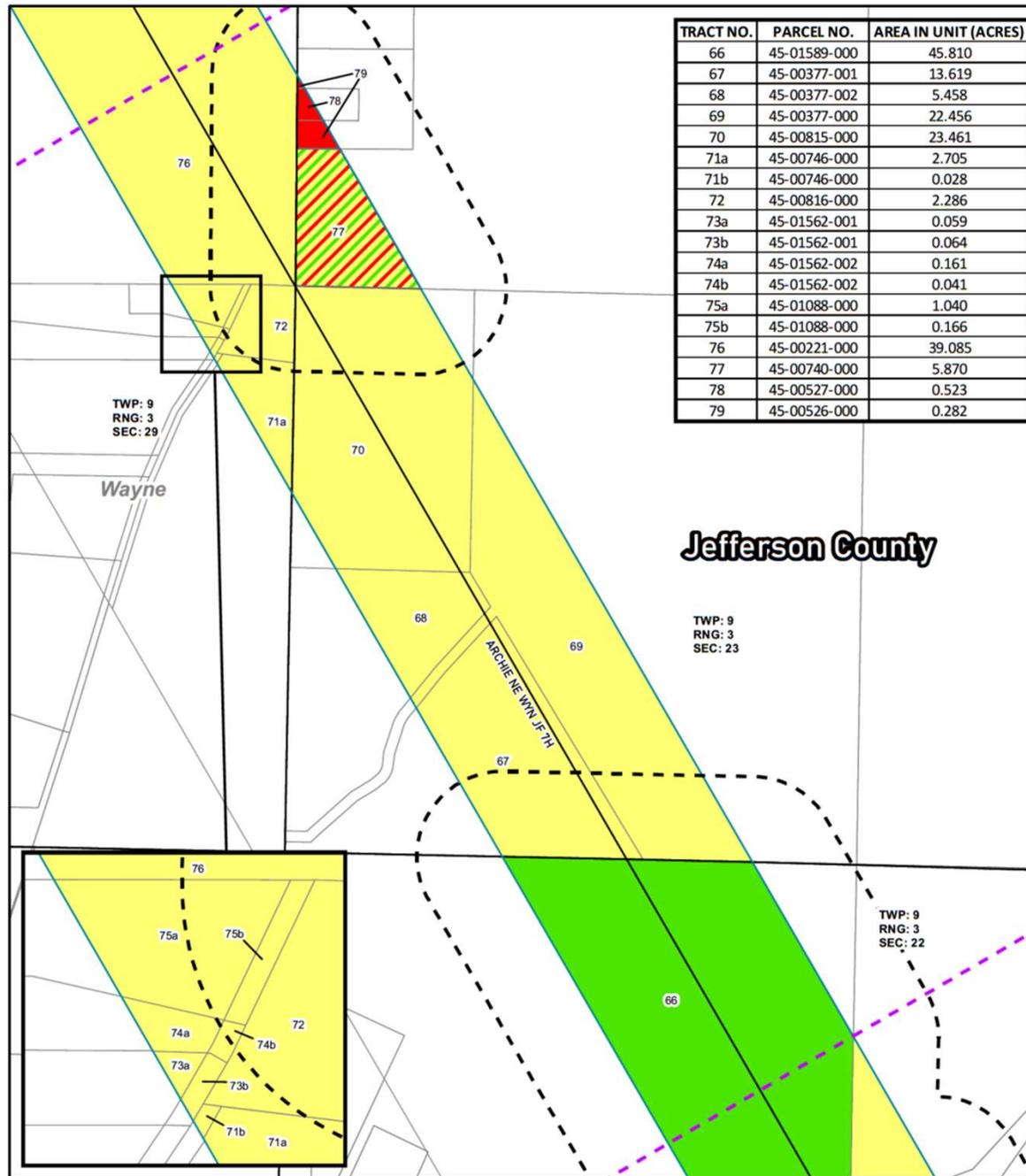
NAD 1927 StatePlane Ohio South FIPS 3402

ARCHIE NE WYN JF EXHIBIT D-3: Well Plat



1 INCH = 500 ft.

- Archie NE WYN JF Unit - 561.099 Ac.
- Pad
- Lateral
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- ParEally Consenting/Unleased
- Non-Consenting Parcels
- ParEally Consenting/Unleased/Non-Consenting
- Unleased Parcels
- County Boundaries



NAD 1927 StatePlane Ohio South FIPS 3402

ARCHIE NE WYN JF EXHIBIT D-4: Well Plat

0 250 500 1,000 1,500 2,000 Feet

1 INCH = 500 ft.

- Archie NE WYN JF Unit - 561.099 Ac.
- Pad
- Lateral
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Partially Consenting/Unleased
- Non-Consenting Parcels
- Partially Consenting/Unleased/Non-Consenting
- Unleased Parcels
- County Boundaries



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
1	45-00787-000	0.029
2	49-01955-000	0.082
3	45-00470-000	0.303
4	49-01913-000	0.141
5	49-01889-000	0.262
6	49-01927-000	0.238
7	49-01949-000	0.238
8	49-01933-000	0.080
9	49-01934-000	0.175
10	49-01916-000	0.177
11	49-01840-000	0.175
12	49-01870-000	0.200
13	49-01973-000	0.206
14	49-01976-000	0.206
15	49-01869-000	0.236
16	49-01839-000	0.130
17	49-01911-000	0.133
18	49-01932-000	0.380
19	45-00289-000	0.150
20	45-00753-000	0.278
21	45-00563-000	0.388
22	45-00252-000	0.284
23	45-00354-000	0.386
24	45-00357-000	0.177
25	45-00484-000	0.285
26	49-01893-000	0.135
27	49-01953-000	0.380
28	49-01892-000	0.286
29	49-01824-000	0.287
30	49-01936-000	0.288
31	49-01884-000	0.288
32	49-01956-000	0.288
33	49-01880-000	0.288
34	49-01885-000	0.236
35	49-01904-000	0.123
36	49-01819-000	0.081
37	49-01935-000	0.209
38	49-01825-000	0.288
39	49-01826-000	0.288
40	49-01841-000	0.288
41	49-01874-000	0.288
42	49-01877-000	0.288
43	49-01890-000	0.288
44	49-01859-000	0.319
45	49-01967-000	0.288
46	49-01966-000	0.288
47	49-01965-000	0.288
48	49-01961-000	0.089
49	49-01962-000	0.099
50	49-01963-000	0.348
51	49-01964-000	0.091
52	45-01922-000	0.904
53	49-00000-000_WYN_SE_22_1	2.301
54	45-01977-000	0.336
55	45-01939-000	1.133
56	45-00440-000	4.264
57	45-01277-000	1.997
58	45-01275-000	0.087
59	45-01342-000	1.987
60	45-01844-000	2.076
61	45-01845-000	0.627
62	45-01843-000	2.996
63	45-01629-000	0.918
64	45-00525-000	1.335
65	45-01355-000	3.993
66	45-01989-000	45.930

Wayne

TWP: 9
RNG: 3
SEC: 22

ARCHIE NE WYN JF EXHIBIT D-5: Well Plat



1 INCH = 250 ft.

- Archie NE WYN JF Unit - 561.099 Ac.
- Pad
- Lateral
- Buffer - 400 ft.
- Municipal Townships
- PLS Section
- Consenting Parcels
- Partially Consenting/Unleased
- Non-Consenting Parcels
- Partially Consenting/Unleased/Non-Consenting
- Unleased Parcels
- County Boundaries



MASTER UNIT PARCEL CHART:

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)	EXHIBIT	TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)	EXHIBIT
1	45-00787-000	0.029	D-5	70	45-00815-000	23.461	D-4
2	49-01955-000	0.012	D-5	71a	45-00746-000	2.705	D-4
3	45-00470-000	0.103	D-5	71b	45-00746-000	0.028	D-4
4	49-01913-000	0.141	D-5	72	45-00816-000	2.286	D-4
5	49-01888-000	0.352	D-5	73a	45-01562-001	0.059	D-4
6	49-01937-000	0.238	D-5	73b	45-01562-001	0.064	D-4
7	49-01949-000	0.238	D-5	74a	45-01562-002	0.161	D-4
8	49-01933-000	0.080	D-5	74b	45-01562-002	0.041	D-4
9	49-01934-000	0.175	D-5	75a	45-01088-000	1.040	D-4
10	49-01916-000	0.177	D-5	75b	45-01088-000	0.166	D-4
11	49-01840-000	0.175	D-5	76	45-00221-000	39.085	D-3/D-4
12	49-01870-000	0.260	D-5	77	45-00740-000	5.870	D-4
13	49-01973-000	0.206	D-5	78	45-00527-000	0.523	D-4
14	49-01876-000	0.596	D-5	79	45-00526-000	0.282	D-4
15	49-01869-000	0.216	D-5	80	45-01150-000	1.313	D-3
16	49-01839-000	0.130	D-5	81	45-00062-000	1.631	D-3
17	49-01917-000	0.119	D-5	82	45-00061-000	1.159	D-3
18	49-01932-000	0.180	D-5	83a	45-00071-000	0.254	D-3
19	45-00289-000	0.150	D-5	83b	45-00071-000	0.001	D-3
20	45-00753-000	0.778	D-5	84	45-00441-000	0.640	D-3
21	45-00563-000	0.328	D-5	85	45-00955-000	18.069	D-3
22	45-00252-000	0.284	D-5	86	45-00000-000_WYN_NE_29_1	2.275	D-3
23	45-00354-000	0.346	D-5	87	45-00956-000	32.063	D-3
24	45-00357-000	0.177	D-5	88	45-00863-000	3.397	D-3
25	45-00484-000	0.245	D-5	89	45-01157-000	13.276	D-3
26	49-01893-000	0.125	D-5	90	45-00635-002	56.951	D-2/D-3
27	49-01953-000	0.380	D-5	91	45-01318-000	1.000	D-3
28	49-01892-000	0.246	D-5	92	45-00227-000	2.321	D-2/D-3
29	49-01824-000	0.247	D-5	93	45-00229-000	13.477	D-2
30	49-01936-000	0.248	D-5	94	45-01511-000	38.566	D-2
31	49-01884-000	0.248	D-5	95	45-00347-000	2.326	D-2
32	49-01956-000	0.248	D-5	96	45-01225-004	0.068	D-2
33	49-01880-000	0.248	D-5	97	45-01225-003	2.073	D-2
34	49-01885-000	0.236	D-5	98	45-01225-005	6.436	D-2
35	49-01904-000	0.123	D-5	99	25-01578-001	1.415	D-2
36	49-01819-000	0.011	D-5	100	25-01579-000	2.014	D-2
37	49-01935-000	0.209	D-5	101	25-01547-000	4.814	D-2
38	49-01825-000	0.248	D-5	102	45-01511-001	0.503	D-2
39	49-01826-000	0.248	D-5	103	25-01578-000	51.395	D-1/D-2
40	49-01841-000	0.248	D-5	104	25-01568-000	23.194	D-1
41	49-01874-000	0.248	D-5	105	25-01585-000	0.001	D-1
42	49-01877-000	0.248	D-5	106	25-01584-000	1.992	D-1
43	49-01890-000	0.248	D-5	107	25-01584-001	0.466	D-1
44	49-01859-000	0.319	D-5	108	25-01569-000	18.036	D-1
45	49-01967-000	0.248	D-5	109	25-01584-004	1.177	D-1
46	49-01966-000	0.248	D-5	110	25-01577-000	1.600	D-1
47	49-01965-000	0.248	D-5	111	25-01593-003	0.018	D-1
48	49-01961-000	0.049	D-5	112	25-01593-002	6.290	D-1
49	49-01962-000	0.099	D-5	113	25-01574-000	9.150	D-1
50	49-01963-000	0.148	D-5	114	25-01545-000	2.881	D-1
51	49-01964-000	0.001	D-5	115	25-01574-003	1.306	D-1
52	45-01292-000	0.504	D-5	116	25-01540-000	2.079	D-1
53	49-00000-000_WYN_SE_22_1	2.701	D-5	117	25-01593-004	1.650	D-1
54	45-01577-000	0.336	D-5	118	25-01592-000	5.380	D-1
55	45-01593-000	1.123	D-5	119	25-01575-000	1.127	D-1
56	45-00440-000	4.264	D-5	120	25-01574-002	0.086	D-1
57	45-01277-000	1.957	D-5	121	25-01574-004	0.628	D-1
58	45-01275-000	0.087	D-5	122	25-01574-001	3.798	D-1
59	45-01342-000	1.947	D-5	123	25-01546-000	1.368	D-1
60	45-01344-000	2.076	D-5	124	24-01327-001	0.326	D-1
61	45-01345-000	0.627	D-5	125	24-02535-001	2.461	D-1
62	45-01343-000	2.936	D-5	126	24-01327-000	1.914	D-1
63	45-01629-000	0.928	D-5	127	24-01443-001	2.128	D-1
64	45-00525-000	3.135	D-5	128	24-01441-000	2.622	D-1
65	45-01355-000	3.939	D-5	129	24-01442-000	2.041	D-1
66	45-01589-000	45.810	D-4/D-5	130	24-01443-004	4.616	D-1
67	45-00377-001	13.619	D-4	131	24-01443-000	3.739	D-1
68	45-00377-002	5.458	D-4	132	24-00021-000	0.762	D-1
69	45-00377-000	22.456	D-4		TOTAL:	561.099	





Section 5. Economic Calculation Summaries *Required*
 Unitized Scenario

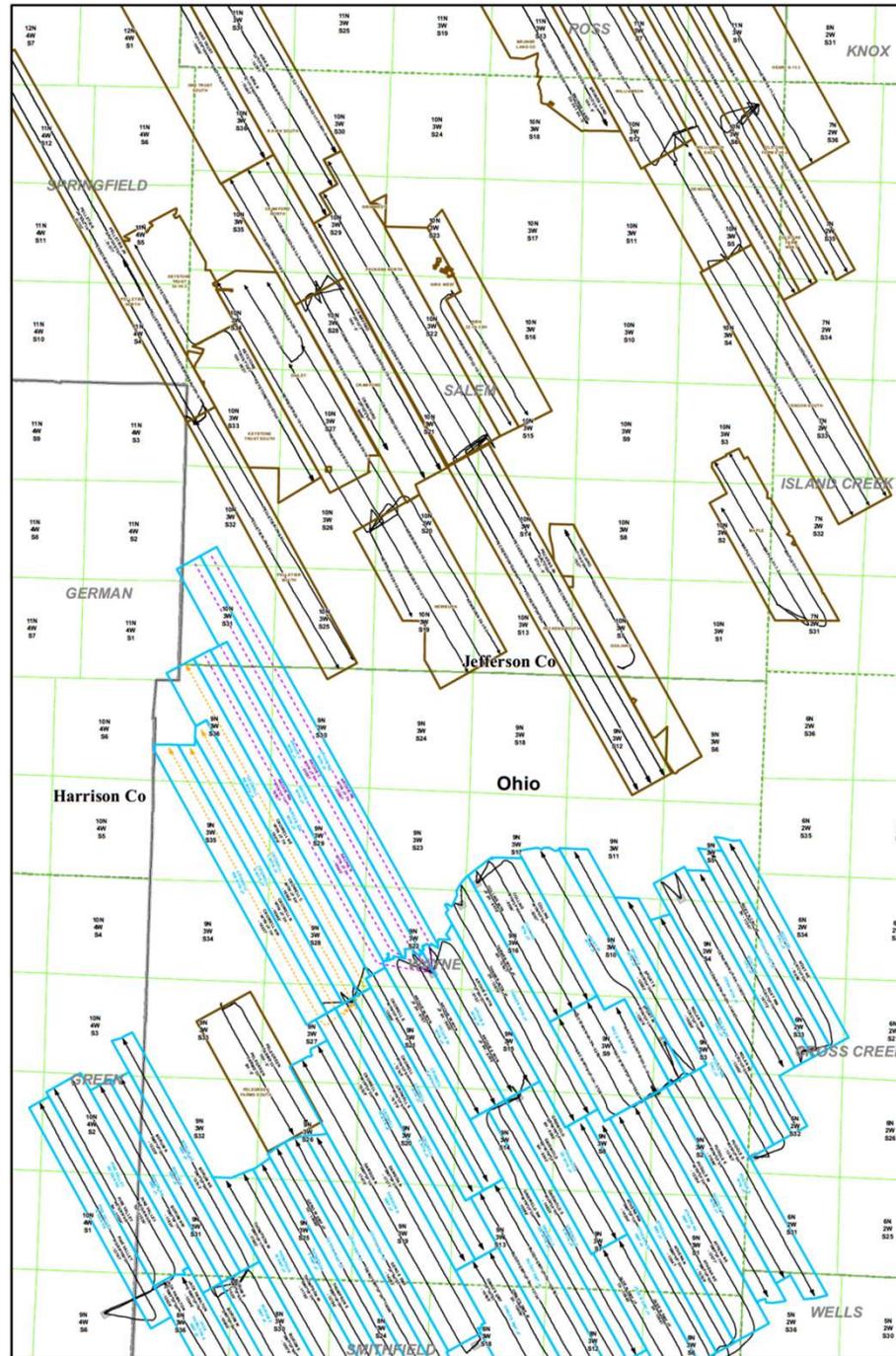
Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MM\$)	Capital Costs (MM\$)	Undiscounted Value of Estimated Recovery (MM\$)	PV0 (MM\$)	PV10 (MM\$)	Estimated Gross Recovery (BCFe)
Archie NE WYN JF 7H	23,860	35,410	\$42.088	\$15.870	\$136.306	\$76.875	\$39.006	41.111
Total:	23,860	35,410	\$42.088	\$15.870	\$136.306	\$76.875	\$39.006	41.111

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)
Archie NE WYN JF 7H	0	0	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	0.000
Total:	0	0	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	0.000

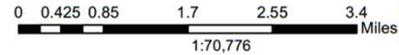
Difference

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)
Archie NE WYN JF 7H	23,860	35,410	\$42.088	\$15.870	\$136.306	\$76.875	\$39.006	41.111
Total:	23,860	35,410	\$42.088	\$15.870	\$136.306	\$76.875	\$39.006	41.111

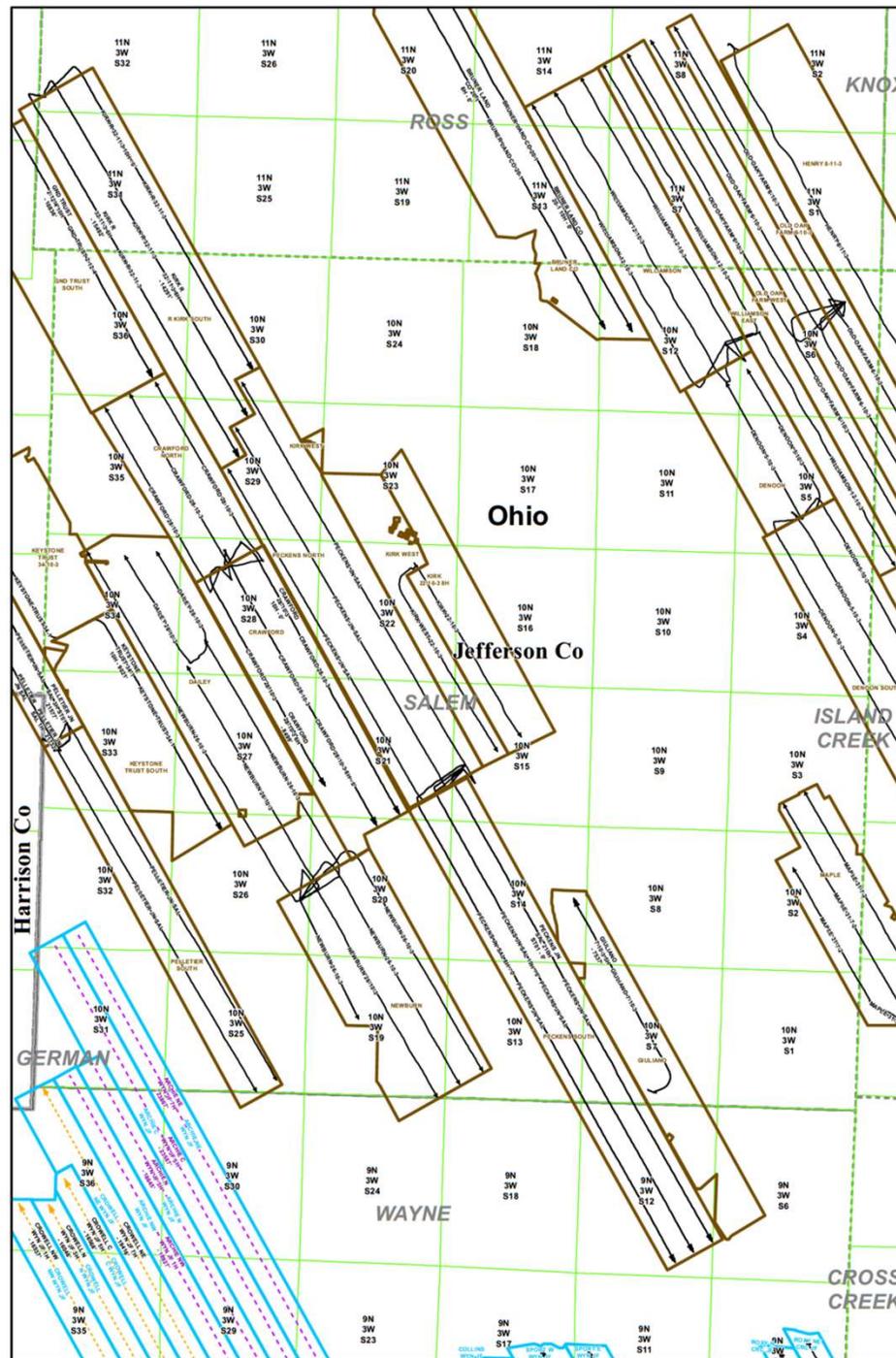


NAD 1927 UTM Zone 17N

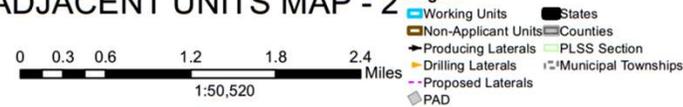
ADJACENT UNITS MAP - 1

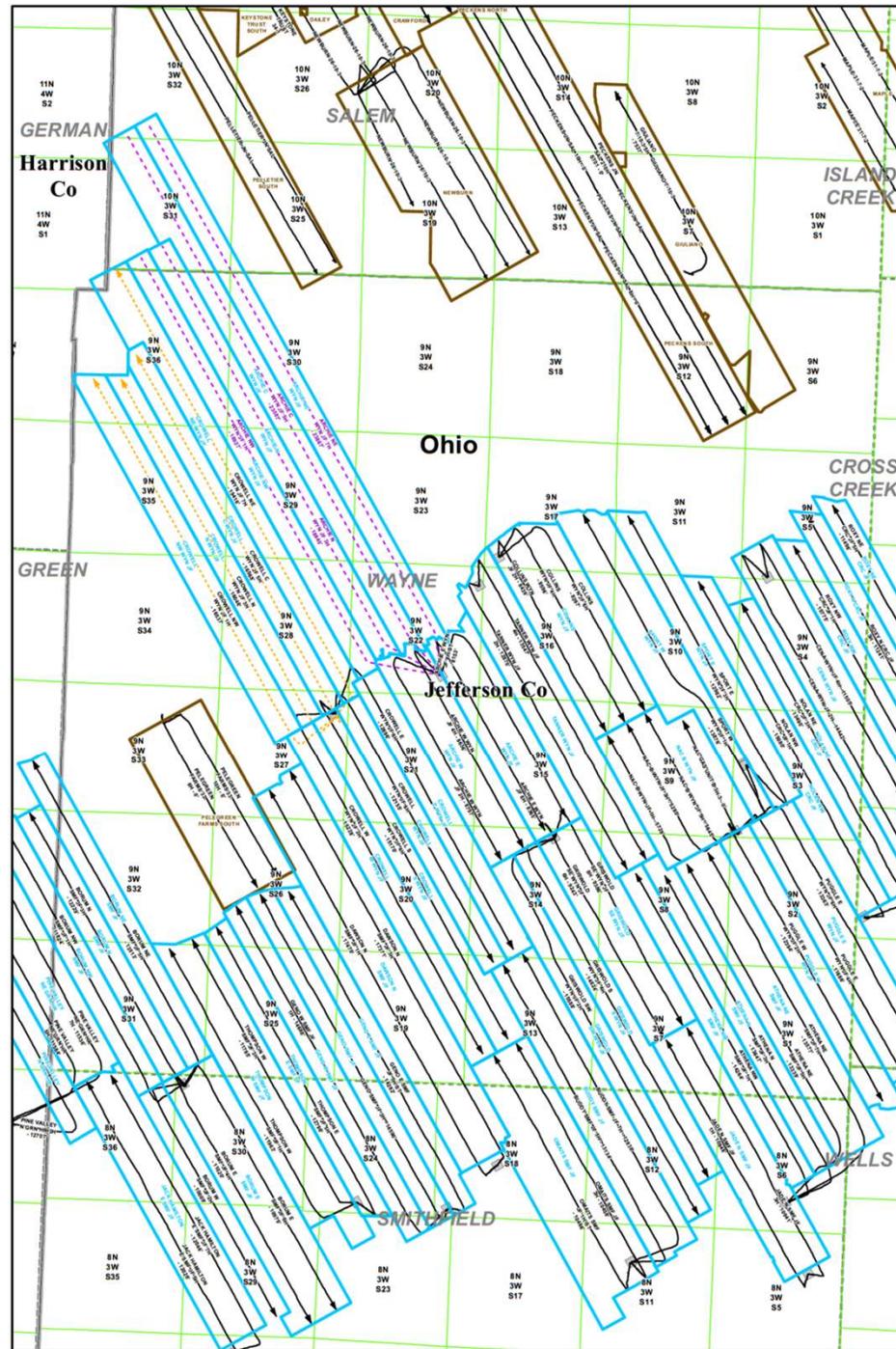


- Legend**
- ▭ Working Units
 - Non-Applicant Units
 - Producing Laterals
 - Drilling Laterals
 - Proposed Laterals
 - ◆ PAD
 - States
 - Counties
 - PLSS Section
 - Municipal Townships



ADJACENT UNITS MAP - 2 Legend





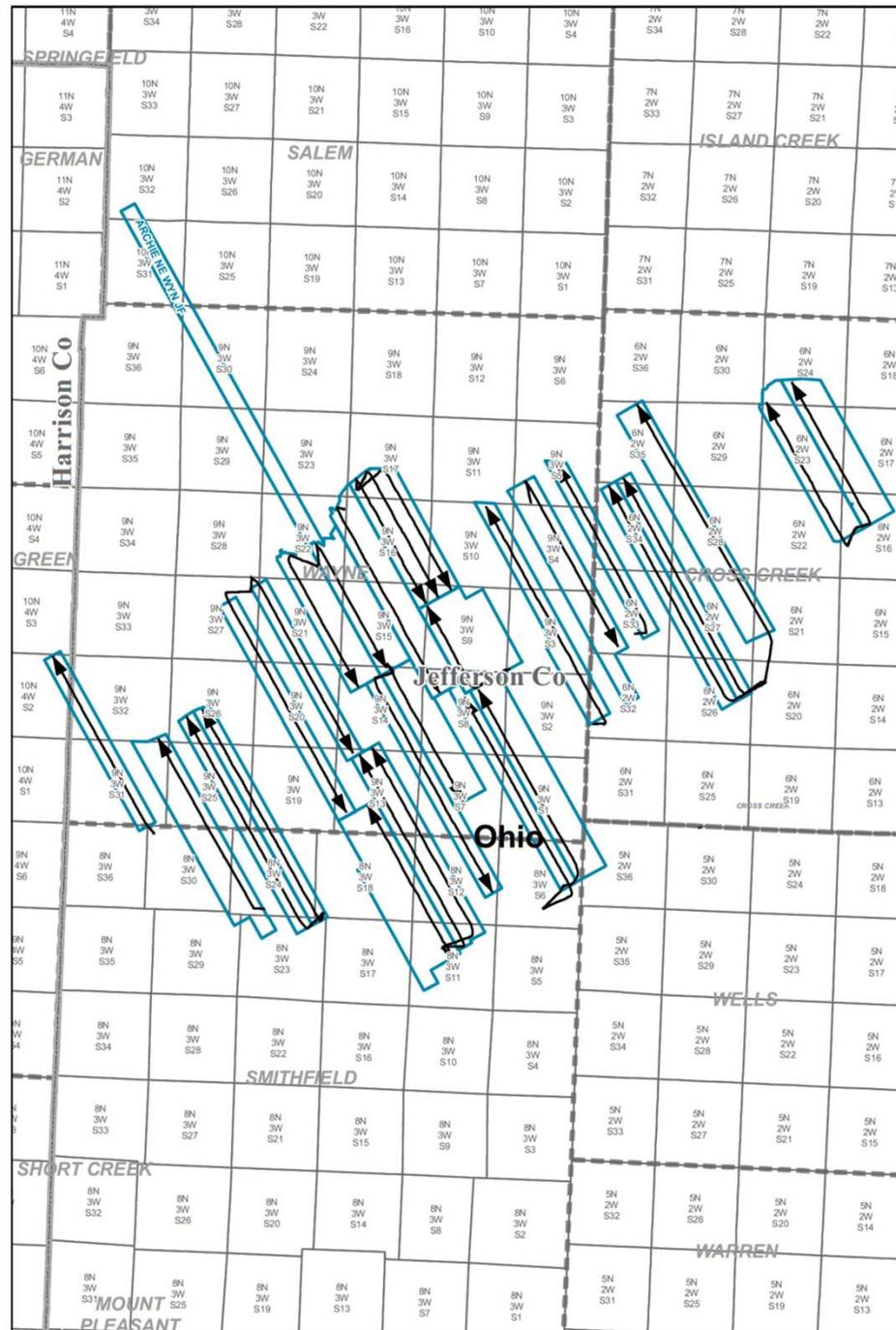
NAD 1927 UTM Zone 17N

ADJACENT UNITS MAP - 3

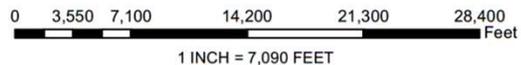
- Legend**
- ▬ Working Units
 - Non-Applicant Units
 - ▬ Producing Laterals
 - ▬ Drilling Laterals
 - ▬ Proposed Laterals
 - States
 - Counties
 - PLSS Section
 - Municipal Townships
 - PAD



1:53,435



ARCHIE NE WYN JF
EXHIBIT 7: RESERVE CALCULATION



Legend
 Producing
 ARU Units



Archie NE WYN JF Unit – Reserve Calculations Wells List

WELL NAME	API NUMBER	LATERAL LENGTH (ft.)	PRODUCTION START DATE	DISTANCE FROM UNIT (mi.)
ARCHIE E WYN JF 6H	34081208280000	8,361	11/21/2019	1
ARCHIE W WYN JF 2H	34081208270000	8,792	11/21/2019	1
ATHENA N SMF JF 3H	34081209130000	13,355	12/21/2021	2
ATHENA NE SMF JF 5H	34081209140000	13,006	12/21/2021	3
BORUM N SMF JF 3H	34081209200000	11,954	4/15/2022	3
BUDDY SMF JF 5H	34081207990000	13,101	7/24/2019	2
BUDDY SMF JF 7H	34081208000000	12,825	7/24/2019	2
CENA WYN JF 4H	34081208030000	11,490	7/10/2019	2
COLLINS WYN JF 2H	34081207620000	8,279	11/8/2018	1
COLLINS WYN JF 4H	34081207630000	8,596	11/8/2018	1
COLLINS WYN JF 6H	34081207640000	8,241	11/7/2018	1
CROWELL W WYN JF 2H	34081209160000	14,931	10/24/2021	1
CROWELL WYN JF 6H	34081209180000	11,954	10/24/2021	1
GENO E SMF JF 5H	34081207770000	14,230	4/6/2019	2
GENO SMF JF 3H	34081207750000	14,574	4/6/2019	2
GENO W SMF JF 1H	34081207760000	14,659	4/6/2019	2
GORDON N CRC JF 3H	34081207670000	14,970	1/12/2019	4
GORDON NW CRC JF 1H	34081207650000	15,496	1/12/2019	3
GRISWOLD S WYN JF 4H	34081207860000	14,751	7/23/2019	2
GRISWOLD SE WYN JF 6H	34081207850000	9,099	7/23/2019	2
NAC B WYN JF 1H	34081205610000	5,745	1/13/2017	1
NOLAN NW CRC JF 1H	34081207370000	14,965	8/25/2018	2
OMAITTS SMF JF 3H	34081208010000	10,435	7/24/2019	3
POINTER N CRC JF 9H	34081209570000	16,424	5/5/2023	4
ROXY N CRC JF 3H	34081208090000	11,425	10/11/2019	3
STONE NE CRC JF 5H	34081206930000	9,659	4/20/2018	6
STONE NW CRC JF 1H	34081206950000	9,659	4/14/2018	6
TANNER WYN JF 2H	34081207700000	12,952	12/1/2018	1
THOMPSON W SMF JF 3H	34081208150000	11,777	2/22/2020	3