

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 : September 19, 2025
: :
Sharp East WHL BL Unit :
:

- - - - -

UNITIZATION APPLICATION HEARING

- - - - -

Before Hearing Host Jeff Large
All Parties Appearing Remotely
November 11, 2025, 9:00 a.m.

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Spectrum Reporting LLC
400 South Fifth Street, Ste. 201
Columbus, Ohio 43215
614-444-1000 or 800-635-9071
www.spectrumreporting.com

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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-2
Columbus, OH 43229
By Jennifer 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 Valentine, Esq.
(Via videoconference)

ALSO PRESENT:

Carol Lash (Via videoconference)
Barb Richardson (Via videoconference)
Anastasia Svec (Via videoconference)
Don Pickenpaugh (Via videoconference)
Gregory Johnson (Via videoconference)
Lindsay Owens (Via videoconference)
Mark Hylton, Esq. (Via videoconference)
Byron Fay (Via videoconference)
Timothy Alan Bell (Via videoconference)
William Weishampel (Via videoconference)
Cori Dawn Fields (Via videoconference)

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(PDF exhibits attached to the transcript.)

1 interest owner, or an owner with property in the
2 Sharp E WHL BL unit. I would also like this
3 information from anyone who represents any of
4 these persons. We will make note of your name and
5 call upon you when it is time for comments.

6 If you have joined us via WebEx, please
7 unmute yourself now and state your name if you
8 would like to make any comments.

9 MR. JOHNSON: Gregory Johnson. I would
10 like to make comments and I am a landowner.

11 MR. LARGE: Okay. I've got your --

12 MS. LASH: Carol Lash. I am a
13 landowner and I would like to comment.

14 MR. LARGE: Okay. I've got you down
15 here. Anyone else that would like to make
16 comments?

17 MR. PICKENPAUGH: Don Pickenpaugh, I'm
18 a mineral owner and I would like to make a
19 comment.

20 MR. LARGE: Okay, sorry. Just writing
21 it down here.

22 Okay. Would anyone else care to make
23 comments today?

24 If you have joined us via phone, please

1 unmute yourself now by pressing "star 6" and tell
2 us your name if you would like to make any
3 comments.

4 Okay, hearing none.

5 So, thank you. With that, we will
6 begin the hearing.

7 Ms. Barrett.

8 MS. BARRETT: Thank you and good
9 morning. Today is Friday, November 14th, 2025.
10 And we're here on the matter of the application of
11 Ascent Resources-Utica, LLC for unit operation of
12 the Sharp E WHL BL unit. This hearing before the
13 Ohio Department of Natural Resources, Division of
14 Oil and Gas Resources Management is convened
15 pursuant to Ohio Revised Code Section 1509.28.

16 My name is Jennifer Barrett and I am an
17 administrative officer for the Division. Also
18 with me today is Program Administrator Jeff Large.
19 We are conducting the hearing today and serve as
20 the Chief's designees on this matter.

21 On September 19th, 2025, Ascent filed
22 with the Division an application for unit
23 operations for a unit designated as the Sharp E
24 WHL BL unit. Ascent filed subsequent revisions to

1 the application. The unit is proposed to be
2 located in Belmont County, Ohio. In its
3 application, Ascent claims to have the mineral
4 rights through voluntary agreements to
5 approximately 644.322 acres of the desired
6 approximate 720.606-acre unit.

7 The purpose of today's hearing is to
8 determine whether Ascent's Sharp E WHL BL unit
9 application meets all of the requirements of
10 Revised Code Section 1509.28. Under that section,
11 the Chief of the Division must issue an order if
12 he determines that the Applicant has shown that,
13 one, the unit is reasonably necessary to increase
14 substantially the ultimate recovery of oil and
15 gas; and two, the estimated additional recovery
16 from the unit exceeds the additional cost.

17 Mr. Large, could you mute any lines
18 that are not muted right now, please?

19 A reminder that until it's time for
20 comments, please keep your lines muted. We have a
21 court reporter present who is trying to transcribe
22 the hearing.

23 Neither the Chief nor any of us here
24 today have made any decisions on Ascent's

1 application. After today's hearing, we will
2 review all of the information provided to us in
3 order to make a determination. We have a court
4 reporter present as well, and we will have a copy
5 of the transcript of this hearing for review.

6 The Chief's decision will be issued
7 through a Chief's Order, which will be posted on
8 the Division's website. Pursuant to Revised Code
9 Section 1509.36, any order may be appealed within
10 30 days after the date upon which the person to
11 whom the order was issued received the order and
12 for all other persons adversely affected by the
13 order within 30 days after the date of the order
14 complained of.

15 The hearing will proceed as follows:
16 Ascent will present its witnesses and exhibits and
17 will answer questions posed by the Division staff.
18 Then any unleased mineral owners, working interest
19 owners, and those persons with property included
20 in the proposed Sharp E WHL BL unit will have the
21 opportunity to present questions and concerns to
22 the Division staff. And then the Division staff
23 may take a break to determine if there are any
24 additional questions for the Applicant.

1 To proceed in an orderly fashion, we
2 ask that any interested party who speaks here
3 today pose any questions to the Division and we
4 will then ask any questions to Ascent.
5 Additionally, anyone speaking today will be asked
6 to provide their information to the court
7 reporter. If you are uncomfortable speaking
8 during the hearing, we will also accept written
9 comments.

10 For purposes of the record, the
11 Division received written comments from Donald E.
12 Pickenpaugh and Carol Lash. These comments have
13 been included as part of the record for the Sharp
14 E WHL BL unit application. Additionally, Gregory
15 Johnson, Carol Lash, and Don Pickenpaugh have
16 indicated that they wish to make comments. And
17 those comments can be made at the end of the
18 hearing.

19 We will now ask the Applicant to make
20 its introductions and begin its presentation.

21 MR. VALENTINE: Thank you, Ms. Barrett.
22 Good morning, everyone. My name is Casey
23 Valentine and I'm an attorney at the law firm of
24 Vorys, Sater, Seymour and Pease. I'm representing

1 Ascent Resources-Utica, LLC, whom I will refer to
2 as "Ascent" in today's hearing.

3 Ascent is requesting a unit order
4 authorizing it to develop the Sharp E WHL BL unit
5 according to the unit plan attached to its
6 application. Ascent and the other consenting
7 working interest owner in the unit have oil and
8 gas leases covering over 89 percent of the unit
9 acreage. Ascent plans to develop a unit by
10 drilling two wells approximately 17,400 and 10,700
11 feet in completed lateral length from a pad site
12 located outside the northwest corner of the unit.

13 Ascent is requesting a unit order
14 because there are tracts in the unit that are
15 owned in whole or in part by an unleased mineral
16 owner, leased in whole or in part to a
17 non-consenting working interest owner, or subject
18 in whole or in part to a lease that contains a
19 non-conforming lease provision.

20 This morning you will hear testimony
21 from three witnesses: Connor Rhea, a landman;
22 Dilyn Delvol, a geologist; and Joseph Krenger, a
23 reservoir engineer. Their testimony will
24 establish that Ascent meets each of the elements

1 required for a unit order under Revised Code
2 Section 1509.28. We ask the Division to approve
3 the application and issue the requested unit
4 order.

5 I will now call the first witness,
6 Connor Rhea.

7 MR. LARGE: Please swear in the
8 witness.

9 - - - - -

10 CONNOR RHEA

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

13 DIRECT EXAMINATION

14 BY MR. VALENTINE:

15 Q. Good morning, Mr. Rhea.

16 A. Good morning, Casey.

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

20 A. Sure. My name is Connor Rhea, and I
21 graduated from the University of Oklahoma with a
22 degree in Energy Management and Finance. After
23 graduating, I began my career with Ascent
24 Resources as an associate landman where I've spent

1 nearly two years working in the Utica Shale.

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

4 A. Yes. I'm a member of the American
5 Association of Professional Landmen, and a member
6 of the Oklahoma Association of Professional
7 Landmen.

8 Q. What are your typical job
9 responsibilities at Ascent?

10 A. Yeah. So I work in support of our
11 development program in Ohio, managing our field
12 brokers, negotiating lease acquisitions, and
13 handling title matters. And I have also been
14 responsible for overseeing our unitization efforts
15 for the Sharp East WHL BL unit.

16 Q. Thank you. I am showing Exhibit D on
17 the screen, which depicts the Sharp East unit.
18 Could you please give us a general description of
19 this proposed unit?

20 A. Yeah. So this is the Sharp East WHL BL
21 unit located in Belmont County, in Wheeling,
22 Colerain, and Richland Townships. The unit is
23 made up of 179 separate tracts covering 720.606
24 acres. The unit is designed to accommodate a

1 two-well unit to drill the Sharp East WHL BL 4H
2 and the Sharp East WHL BL 6H.

3 The box outside of the unit that is
4 shown in the northwest corner on the map
5 represents our surface location. The yellow
6 tracts are fully leased and consenting to the
7 unit. The green tracts are non-consenting. The
8 purple tracts are leases subject to nonconforming
9 lease provisions. The yellow tracts with red
10 crosshatchings are tracts that are partially
11 consenting or unleased. And the red tracts are
12 unleased.

13 Q. Thank you. What percentage of the
14 working interest in the proposed unit is leased to
15 Ascent and the other consenting working interest
16 owner?

17 A. 91.993 percent, of which 89.414 percent
18 is conforming.

19 Q. Have you attempted to negotiate oil and
20 gas leases with the remaining unleased mineral
21 owners?

22 A. Yes, we have. And those contacts are
23 detailed in our contact log.

24 Q. And are there any non-consenting

1 working interest owners in the proposed unit?

2 A. Yes, there is.

3 Q. Have you attempted to negotiate an
4 agreement with the non-consenting working interest
5 owners?

6 A. Yes, we have. And those contacts have
7 been detailed in our contact log included in
8 Exhibit G in the application.

9 Q. Are there any tracts subject to a lease
10 containing a non-conforming lease provision?

11 A. Yes, there is.

12 Q. And have you attempted to negotiate an
13 agreement or lease amendment with those owners of
14 those tracts?

15 A. Yes, we have.

16 Q. And will you continue to negotiate with
17 all of those parties I just mentioned after the
18 hearing today?

19 A. Yes, we will.

20 Q. Turning back to Exhibit D and the gray
21 square that I am hovering over here you mentioned
22 that's the surface location of the well pad.

23 Could you please tell us what the status is of the
24 well pad?

1 A. Yeah. So currently the site has been
2 settled, but not yet built.

3 Q. What gives Ascent the right to locate
4 the well pad at that location?

5 A. We have a surface use agreement in
6 place with the landowner.

7 Q. And if the requested unit order is
8 issued, when does Ascent plan to drill these two
9 wells?

10 A. Ascent plans to spud these wells in the
11 fourth quarter of 2026.

12 Q. Mr. Rhea, are you familiar with the
13 provisions of the unit plan, including the
14 operating agreement?

15 A. Yes, I am.

16 Q. How are unit costs and production
17 allocated under the unit plan?

18 A. They are allocated on a surface acreage
19 basis.

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

23 A. Yes, it is.

24 Q. Under the unit plan, who is it that is

1 obligated to pay the unit costs?

2 A. The working interest owners.

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

6 A. Yes, it does.

7 Q. What is that non-consent penalty?

8 A. In the JOA, the penalty for
9 non-consenting is 500 percent.

10 Q. And in your experience do you believe
11 that is a fair percentage for a non-consent
12 penalty?

13 A. Yes, I do. 500 percent is a standard
14 for JOAs in Ohio.

15 Q. So is it fair to say that you are aware
16 of other operators in the region using a similar
17 non-consent penalty?

18 A. Yes. That is my understanding.

19 Q. Thank you, Mr. Rhea.

20 MR. VALENTINE: I have no further
21 questions at this time.

22 MR. LARGE: Good morning Mr. Rhea.

23 THE WITNESS: Good morning.

24 MR. LARGE: Could you describe the

1 efforts you have taken to identify unknown or
2 undetermined mineral owners?

3 THE WITNESS: Yeah. So we do a lot of
4 research, starting with courthouse records,
5 probate records, genealogical records. But we
6 also use online support such as Accurint,
7 Beenverified, Whitepages, and in some cases we use
8 social media channels like Facebook, Instagram,
9 Twitter. And then also we attempt to contact
10 family members and neighbors to see if they can
11 assist. But it's usually a combination of all the
12 above.

13 MR. LARGE: Okay. And if you were to
14 receive a unitization order, can you describe what
15 happens to any payments that would be owed to
16 unknown or undetermined mineral owners under that
17 order?

18 THE WITNESS: Yes. Those payments will
19 be placed in a suspense account and will be held
20 until ownership is cleared.

21 MR. LARGE: Okay. And can you tell me
22 what the current average outstanding offer to the
23 unleased mineral owners in the proposed unit is?

24 THE WITNESS: Yes. The current average

1 outstanding offer is \$5,093.75 with a royalty of
2 18.54 percent, which is a mixture of gross and
3 net.

4 MR. LARGE: And do those offers include
5 surface use?

6 THE WITNESS: Yes, but that is
7 negotiable.

8 MR. LARGE: And when do those offers
9 expire?

10 THE WITNESS: So right now, these
11 offers do not have expiration dates on them. We
12 will continue to pursue leasing after the hearing
13 and even after the order is issued if we continue
14 to make progress with the landowners.

15 MR. LARGE: Okay. And can you tell me
16 the average offer that was accepted by the leased
17 mineral owners in the proposed unit?

18 THE WITNESS: Yes. The average
19 accepted offer was \$4,951.36 with a royalty of
20 19.18 percent, which is a mixture of gross and
21 net.

22 MR. LARGE: Thank you. And can you
23 explain the difference between the current offer
24 and average offer accepted?

1 THE WITNESS: Yes. This is caused for
2 several reasons, such as the lease terms that we
3 have negotiated, such as surface versus
4 non-surface, when the lease was taken or acquired,
5 and the different commodity prices at the time,
6 and then competitor activity in the area.

7 MR. LARGE: Thank you. And do you
8 believe your lease attempts have been reasonable?
9 And can you tell me why?

10 THE WITNESS: Yes. I believe that they
11 have been reasonable. I think that our contact
12 log supports that and the fact that we have over
13 90 percent working interest in the unit. As you
14 can see from our contact log provided, we have
15 been very diligent in our efforts working with
16 some owners for several years. And we have made
17 numerous contact attempts and have continued to
18 negotiate in good faith even after filing for
19 unitization.

20 MR. LARGE: Okay. And will you
21 continue attempts to lease the unleased mineral
22 owners after the hearing and after an order is
23 issued, if one is issued?

24 THE WITNESS: Yes, we will.

1 MR. LARGE: And do you believe your
2 attempts to commit non-consenting working interest
3 owners have been reasonable? And can you tell me
4 why?

5 THE WITNESS: Yes. I do believe they
6 have been reasonable. And that is reflected in
7 our contact log, which has been provided in the
8 hearing application.

9 MR. LARGE: Okay. And will you
10 continue your attempts to commit non-consenting
11 working interest owners after today's hearing?

12 THE WITNESS: Yes, we will.

13 MR. LARGE: And do the leases in the
14 unit authorize drilling into and producing from
15 the proposed unitized formations?

16 THE WITNESS: Yes, they do.

17 MR. LARGE: And to establish bonus and
18 royalty amounts in leases, how are those generally
19 determined?

20 THE WITNESS: First, we look at the
21 area from an economic standpoint. Then we take a
22 few other factors into account such as leasing
23 competition, parcel size, lease restrictions such
24 as surface or non-surface, and the royalty

1 provisions. And then we balance that against what
2 the mineral owners are willing to accept.

3 MR. LARGE: Okay. Thank you.

4 Ms. Barrett, do you have any questions?

5 MS. BARRETT: Yes, I do.

6 - - - - -

7 CROSS-EXAMINATION

8 BY MS. BARRETT:

9 Q. Could you explain the reasoning for the
10 shape of the unit?

11 A. Yes. So there are existing and
12 proposed units surrounding the Sharp East WHL BL
13 unit, which caused the unit shape you see today.

14 Q. Okay. Thank you for the explanation.

15 MS. BARRETT: No further questions for
16 me.

17 THE WITNESS: Thank you.

18 MR. LARGE: Thank you.

19 Mr. Valentine, please call your next
20 witness.

21 MR. VALENTINE: Our next witness will
22 be Dilyn Delval.

23 MR. LARGE: And can we please swear in
24 the witness.

1 - - - - -

2 DILYN DELVAL

3 being first duly sworn, testifies and says as
4 follows:

5 DIRECT EXAMINATION

6 BY MR. VALENTINE:

7 Q. Good morning, Ms. Delval.

8 A. Good morning.

9 Q. Could you please introduce yourself to
10 the Division and describe your educational and
11 professional background.

12 A. Yeah. My name is Dilyn Delval. I am a
13 geologist employed by Ascent Resources. I have
14 been with Ascent for over seven years. I hold a
15 Bachelor of Science degree in Geology from
16 Edinburgh University, and a Master of Science
17 degree in Geology from the University of North
18 Dakota.

19 Q. What are your typical job
20 responsibilities at Ascent?

21 A. In my current role at Ascent, my time
22 is primarily spent interpreting and integrating
23 subsurface data into workflows. This is most
24 clearly expressed by creating and maintaining our

1 subsurface maps for use across a variety of
2 disciplines, as well as helping quality control
3 the data used to generate these maps.

4 Additionally, I create geological
5 exhibits to provide to the Land Department to
6 help them verify the geological accuracy of their
7 documentation. I help maintain the integrity of
8 the operational data into our analyses.

9 Q. Thank you. I'm going to ask you some
10 questions regarding whether the unitized formation
11 underlying the proposed unit is a pool or part of
12 a pool. To start, what subsurface depths is
13 Ascent seeking to unitize?

14 A. We are seeking to unitize the Utica
15 Shale formation.

16 Q. And as a geologist, how would you
17 define the term "pool"?

18 A. A pool is generally understood to be an
19 area of geologically consistent reservoir
20 properties such as thickness, porosity,
21 permeability, and rock type that share an
22 accumulation of hydrocarbons.

23 Q. Did you evaluate the subsurface beneath
24 the proposed unit?

1 A. Yes, I did.

2 Q. What information did you review and
3 analyze during your evaluation?

4 A. I reviewed the vertical wells in the
5 area with a full suite of electric logs in order
6 to compare the reservoir quality from well to well
7 in this area. I also reviewed the 3-D seismic
8 data, as well as the structure maps relevant to
9 the Utica formation.

10 Q. Let's turn to one of the pieces of
11 information you just discussed, which is Exhibit F
12 that I'm showing on the screen. Can you please
13 explain what information is depicted in Exhibit F?

14 A. Exhibit F is a subsea structure map of
15 the Point Pleasant Interval around the proposed
16 Sharp East WHL BL unit, which is outlined in blue.
17 The purple crosses are wells that have penetrated
18 the Point Pleasant in this area. This map was
19 created using those control points, and then the
20 orange dots were used to create a two-well
21 cross-sectional line through the Sharp East unit.
22 They mark the location of the two closest vertical
23 wells to the unit with a full suite of logs.

24 They are only two of a few vertical

1 wells in the area that were used during this
2 analysis. From the structure map, looking at the
3 gentle curve of the contour lines, there is no
4 reason to think that there are any structural
5 features that would separate the Utica-Point
6 Pleasant reservoir within the proposed unit.

7 Q. Thank you. And I'm now showing
8 Exhibit E on the screen. Could you please do the
9 same thing and just explain the information
10 depicted in this exhibit.

11 A. Exhibit E is a stratigraphic
12 cross-section of the two closest wells near the
13 Sharp East unit, being the Beagle Club 1-17 and
14 the Georgetown Marine 1 well.

15 The log data curves displayed in both
16 of the wells are the gamma ray in the left track
17 and the deep resistivity in the right track. As
18 seen on this exhibit, the log data demonstrates
19 that the Utica formation is very consistent and
20 does not significantly change near the proposed
21 Sharp East unit. The geological properties in
22 general, like thickness and resistivity, are
23 laterally consistent throughout the proposed
24 unit.

1 Q. Based on your information -- I'm sorry,
2 your evaluation and the information depicted in
3 these two exhibits, do you believe that the
4 unitized formation underlying the proposed unit is
5 a pool or part of a pool?

6 A. Yes. I believe the unitized formation
7 is part of a pool.

8 Q. And based on the characteristics of the
9 unitized formation, do you believe that allocating
10 unit production and costs on a surface acreage
11 basis is appropriate?

12 A. Yes. Because the relative thickness
13 and the reservoir qualities of the Utica-Point
14 Pleasant are expected to be consistent across the
15 Sharp East unit. As we saw in Exhibit E, there
16 are no substantial variations expected across the
17 proposed unit. And therefore, there is no
18 geological reason to allocate production using any
19 other method than subsurface acreage.

20 Q. Thank you, Ms. Delval.

21 MR. VALENTINE: I have no further
22 questions at this time.

23 MR. LARGE: Good morning, Ms. Delval.

24 THE WITNESS: Good morning.

1 MR. LARGE: Could you please tell me
2 what the anticipated true vertical depth of the
3 horizontal portion of the wellbores would be?

4 THE WITNESS: The anticipated landing
5 TVD in the unit is estimated at 9,415 feet.

6 MR. LARGE: And could you tell me the
7 anticipated true vertical depth of the top of the
8 Utica, the Point Pleasant, and the Trenton
9 formations?

10 THE WITNESS: The Utica is 9,222 feet
11 TVD; the Point Pleasant, 9,350 feet TVD; the
12 Trenton, or the base of the Utica, is 9,472 feet
13 TVD.

14 MR. LARGE: And do you expect any
15 production from outside the Point Pleasant
16 formation?

17 THE WITNESS: Most of the hydrocarbon
18 production will come from the Point Pleasant. But
19 we would expect a small amount of production to
20 come from the Upper Utica over the lifetime of the
21 well.

22 MR. LARGE: Okay, thank you.

23 Ms. Barrett, do you have any questions?

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

1 THE WITNESS: Thank you.

2 MR. LARGE: Thank you.

3 Mr. Valentine, please call your next
4 witness.

5 MR. VALENTINE: Our last witness this
6 morning will be Joseph Krenger.

7 MR. LARGE: And can we please swear in
8 the witness?

9 - - - - -

10 JOSEPH KRENGER

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

13 DIRECT EXAMINATION

14 BY MR. VALENTINE:

15 Q. Morning, Mr. Krenger.

16 A. Good morning.

17 Q. Like your colleagues before you, could
18 you please introduce yourself to the Division and
19 describe your educational and professional
20 background?

21 A. Sure. My name is Joseph Krenger. I'm a
22 reservoir engineer for Ascent Resources. My
23 educational background basically ends in 2011 when
24 I graduated from the University of Oklahoma with a

1 Bachelor's in Petroleum Engineering, after which I
2 immediately started working for Devon Energy in
3 various roles, but mostly pertaining to the
4 development of tight gas or shale gas plays. I
5 was working for them for nine years, then I
6 transitioned to Ascent Resources, where I've been
7 working as a reservoir engineer over the Utica
8 asset ever since.

9 Q. Are you a member of any professional
10 associations?

11 A. Yes. I'm a member of the Society of
12 Petroleum Engineers.

13 Q. And what are your typical job
14 responsibilities at Ascent?

15 A. Yeah. Generally, we will work closely
16 with the Geology Department to characterize the
17 resources that we have underneath our general
18 leasehold footprint. But we're also tasked with
19 booking and maintaining our reserves and
20 evaluation databases, which effectively means that
21 we're going to be forecasting the production and
22 performance of existing wells, and also using that
23 data to project the performance and economics
24 associated with wells that are to be developed in

1 the future.

2 Q. Would you please tell us a bit about
3 your process for forecasting well performance?

4 A. Yeah. So our general philosophy here
5 at Ascent is to break up our larger footprint into
6 subregions called "type curve areas."

7 Within a given type curve area, we
8 will have very similar reservoir fluid and
9 geologic characteristics. And that leads to very
10 homogenous well performance when normalized on a
11 lateral foot basis. So we can use analogous
12 offsetting wells within a type curve to -- in
13 their production profiles to predict how future
14 wells in that type curve area will perform.

15 Q. Did you forecast well performance for
16 the proposed unit under both a unitized operating
17 scenario and a non-unitized operating scenario?

18 A. I did.

19 Q. How much production did you forecast in
20 a unitized operating scenario?

21 A. Yeah. That's reflected on this top
22 table here. So between both wells we're expecting
23 just under 58 BCFe, or billion cubic feet of
24 natural gas.

1 Q. And moving down to the table below
2 that, how much production did you forecast in the
3 non-unitized operating scenario?

4 A. Yeah. So because of the reduced
5 completed lateral length associated with the
6 non-unitized case, we would only expect around
7 17.57 BCFe.

8 Q. So if I'm reading the tables you
9 prepared correctly, the additional estimated
10 recovery that would be obtained in the unitized
11 operating scenario is this 40.415 BCFe.

12 A. That's correct.

13 Q. Do you consider 40.415 BCFe to be a
14 substantial amount of production?

15 A. I do. And to validate that opinion,
16 the way I think about it is Ascent is one of the
17 largest operators in Ohio, and if we had a
18 write-down of 40 BCFe in our reserve database, I
19 would have to account for that adjustment all the
20 way up to the highest levels of the company. And
21 so, a significant amount of gas for any size
22 operator.

23 Q. In your opinion, is an order for unit
24 operations reasonably necessary to increase

1 substantially the ultimate recovery from the
2 proposed unit?

3 A. Yes, it is.

4 Q. Then getting back to the additional
5 estimated recovery, what is the anticipated value
6 of that additional 40.415 BCFe?

7 A. Yes. So we've got two good metrics of
8 value here. We've got an undiscounted net cash
9 flow, which is that PV0, or present value with a
10 zero percent discount rate, and that is \$77.85
11 million, basically.

12 A more widely used metric in the
13 industry is a PV10. So that's the present value
14 with a 10 percent discount factor. And that's
15 just to account for the time value of money. And
16 the PV10 of that 40.4 BCFe is \$35.7 million.

17 Q. Thank you. Given those values you just
18 mentioned, does the value of the estimated
19 additional hydrocarbons produced exceed the
20 estimated additional cost needed to produce them?

21 A. It does. And I think I'd point back to
22 that \$35.7 million of PV10 on the difference. So,
23 you know, both of these are accounting for the
24 differences and the capital and lease operating

1 expenses needed for the unitized scenario versus
2 non-unitized. And so even when accounting for
3 that, you're coming up with a large positive sum
4 there.

5 Q. And your colleague Mr. Rhea testified
6 that the well pad has not completed construction.
7 When you prepared these tables and this economics
8 exhibit, how did you account for well pad costs?

9 A. Yeah. So we used our, kind of,
10 historic pad average cost and estimate and then
11 divided it equally among all wells that are
12 expected to be developed off this pad. So that's
13 three wells. So we just take our, basically,
14 track record of pad construction costs and then
15 divide it equally among all the wells. So we have
16 two wells here. Each well gets one-third of those
17 pad estimates.

18 Q. Thank you, Mr. Krenger.

19 MR. VALENTINE: No further questions
20 for you at this time.

21 THE WITNESS: Thank you.

22 MR. LARGE: Good morning, Mr. Krenger.

23 THE WITNESS: Good morning.

24 MR. LARGE: Could you tell me what the

1 estimated economic life of the wells are in years?

2 THE WITNESS: Yes. So all numbers here
3 are reflecting a 50-year run life.

4 MR. LARGE: And what price was used in
5 your economic calculations?

6 THE WITNESS: Yeah. We use the end of
7 June of this year's strip price. And that has a
8 \$3.81 per MMBtu price that starts in the year 2028
9 and held flat from there on after.

10 MR. LARGE: Okay. And could you tell
11 me the estimated payout of the wells at one times,
12 one-and-a-half times, two times, and three times?

13 THE WITNESS: Yes. These are
14 undiscounted payout metrics. So one times would
15 be half a year, one-and-a-half times would be 0.7
16 years, two times is 1.1 year, and three times is
17 3.1 years.

18 MR. LARGE: Okay. And you said two
19 total wells to be drilled from the pad?

20 THE WITNESS: So three total wells,
21 just two in this unit.

22 MR. LARGE: Yeah, okay. Thank you.
23 And have you factored in -- or there are no
24 existing, correct -- this is still being --

1 THE WITNESS: Yeah. No SIMOPS.

2 MR. LARGE: What amount was included
3 for plugging and restoration costs in your
4 economic calculations per well?

5 THE WITNESS: We incorporate \$250,000
6 per well for plugging and abandonment and
7 restoration.

8 MR. LARGE: And can you tell me the
9 estimated BCFe per 1,000 feet?

10 THE WITNESS: Yes. In this region
11 we're expecting around 2.06 BCFe per 1,000 feet.
12 And that would equate to around a 60 percent
13 recovery factor.

14 MR. LARGE: Okay. Thank you.

15 Ms. Barrett, do you have any questions?

16 MS. BARRETT: Yes, I do.

17 - - - - -

18 CROSS-EXAMINATION

19 BY MS. BARRETT:

20 Q. Could you explain why you use the
21 50-year estimated economic life of the wells?

22 A. Yeah. So, you know, there are
23 different metrics across the industry. A lot of
24 people will run 30-year life. Some people go all

1 the way out to 60 years. Often people -- I'd say
2 most people are probably running 50 years.

3 But in particular, we're running 50
4 years because these are very large, prolific gas
5 wells. And those tend to have a significant
6 length of economic life. And so we feel like it's
7 appropriate to run these large gas wells out for a
8 50-year life.

9 Q. The \$250,000 estimates included for
10 plugging and restoration costs, so what was that
11 based on?

12 A. That's based on our historical track
13 record of plugging and abandonment and restoration
14 over the years.

15 Q. Okay. Thank you.

16 MS. BARRETT: No further questions for
17 me.

18 THE WITNESS: Thank you.

19 MR. LARGE: Thank you.

20 So once again, if you would like to
21 make comments, I'm first going to take all your
22 names and note whether you are an unleased mineral
23 owner, working interest owner, or an owner with
24 property in the unit.

1 Only one person may speak at a time to
2 properly record the hearing and please mute your
3 microphone once you have delivered your comments
4 or questions to avoid any feedback.

5 Additionally, anyone speaking today
6 will be asked to provide their information to the
7 court reporter. If you are uncomfortable speaking
8 during the hearing, we will also accept written
9 comments.

10 Now, I already have a list here:
11 Mr. Gregory Johnson, Ms. Carol Lash, and Mr. Don
12 Pickenpaugh.

13 If you have joined us via WebEx and
14 would like to make comments, please unmute
15 yourself now and state your name.

16 MR. JOHNSON: Hi, this is Gregory
17 Johnson.

18 MR. LARGE: Okay.

19 MR. JOHNSON: I have a prepared letter
20 I'd like to read, if that's okay.

21 MR. LARGE: Yeah.

22 MR. JOHNSON: Okay.

23 MR. LARGE: So one second. Can we
24 please get you sworn in first?

1 MR. JOHNSON: Oh. Yeah, sure.

2 - - - - -

3 Gregory Johnson, being first duly sworn, testifies
4 and says as follows:

5 MR. JOHNSON: And possibly before I
6 read the letter, maybe I should give you a little
7 of my background since the other folks have given
8 theirs.

9 I have a Bachelor of Science degree in
10 Mechanical Engineering from Ohio University. I
11 have a master's degree in engineering management
12 from Old Dominion University. I am a nationally
13 certified American Petroleum Institute storage
14 tank inspector, pressure vessel inspector, piping
15 inspector, and I'm also a nationally certified
16 welder and welding instructor. And I've worked
17 for the chemical industry -- in the chemical
18 industry for approximately 35 years. Recently
19 retiring, I worked for Bayer Corporation, DuPont
20 Corporation, and PPG Westlake Axiall Corporation.

21 And I have a letter that I've written
22 that I'd like to read to you guys.

23 Okay. To whom it may concern, I
24 recently received a packet from you titled "Notice

1 of Hearing" on an application for unit operations.
2 This is for the Ascent Resources-Utica, LLC, Sharp
3 E WHL BL unit located in Belmont County. Our
4 property is Tract No. 118, Parcel ID 6800089.00,
5 located on Crescent Road on the outskirts of Saint
6 Clairsville, Ohio.

7 You have asked for comments relating to
8 this permit. Our first reaction is to ask you to
9 please disallow this drilling permit; the rest of
10 the letter will describe why we ask that of you.

11 We currently live in Monroe County on
12 State Route 536. Over the last several years, our
13 property has been destroyed due to gas well
14 fracturing and heavy trucks passing by our home on
15 the road that is clearly marked "not for heavy
16 trucks."

17 We have spent over \$40,000 trying to
18 fix the subsidence damage and the slippage
19 movement of our homes, decks, concrete, driveway,
20 sidewalks, retaining walls, both concrete and
21 block cracking, and settling of our basement
22 walls, foundation yard, not to mention the loss of
23 many trees and land movement, and I'm guessing
24 chemical damage from the fracking fluids reaching

1 the water table that the trees depend on for
2 subsistence.

3 I have an extensive list of items that
4 have been repaired over the last so many years,
5 and lists of the continuing damage.

6 I have talked to a geologist who was --
7 or was at the time when I talked to her, currently
8 employed as a contract employee for the State of
9 Ohio working on the roads. And she confirmed that
10 the damage is indeed due to high pressure water
11 chemical fracturing by the current oil and gas
12 companies EQT and Equinor.

13 Not only that, but I have also had
14 face-to-face communication with a retired oil
15 company employee that has confirmed that all oil
16 and gas companies have known for decades that high
17 pressure water chemical fracturing causes this
18 type of damage, slips, and subsidence. I have
19 many pictures of the damage that has occurred, and
20 can provide those for reference if required.

21 I have lived at my current location
22 since I was a child in 1959, when I was three
23 years old. I'm now almost 70 and have been
24 mentally and physically damaged by this

1 experience. I'm exhausted trying to fix
2 everything that has been damaged and was
3 considering moving. But I'm guessing no one would
4 be interested in our property unless the drilling
5 and fracking ceases and the pressure causing the
6 damage is released.

7 Many folks in the little town of
8 Hannibal have experienced similar damage, and no
9 one hears us when we complain. I've tried
10 contacting different law firms for assistance.
11 Both declined to help, although advertising that
12 they help folks with incurred damage from oil and
13 gas companies. Even a visit with a recent ODOT
14 supervisor from District 10, who was here to mark
15 the roadway in front of my house for a major
16 repair with piling, recognized that the damage to
17 the roads and surrounding land has been caused by
18 all the heavy trucks and land subsidence and
19 slippage.

20 The real issue is that the damage to
21 our property is considerably worse than the money,
22 effort, and time that has been spent to date.
23 There is much more damage that will require
24 considerably more effort and money, not to mention

1 removing large portions of covered concrete
2 patios, sidewalks --

3 (Inaudible background noise.)

4 Yeah? Sorry -- sidewalks, driveways
5 and foundations. I just have two more paragraphs.

6 I say all of these things because the
7 piece of property in Belmont County was going to
8 be our escape. After we recovered from the loss
9 and grief of losing my wife Jean's stepfather,
10 John Premilovich, in Belmont County, the previous
11 owner of this property that we are commenting on,
12 we were going to build a new home on that
13 property. We had already torn down John's old
14 home and were in the process of cleaning up the
15 site when we discovered that the drilling site was
16 going to be close to that new property.

17 So back to my original comment: Please
18 disallow the drilling permit for the company for
19 this entire area in Belmont County.

20 We would like to thank you for the
21 opportunity to comment on this drilling gas well.
22 The ability to comment on this was never offered
23 by ODNR several years ago when the wells began in
24 Monroe County. The only contact we had at that

1 time was a person that came around with a contract
2 to allow drilling under our property. When that
3 person was questioned about would they avoid our
4 property if we didn't sign, they said they would
5 drill anyway and we just would not get any money.

6 And also, I'd like to make the
7 statement that this letter that I just read to you
8 was sent by certified mail to the ODNR on
9 October 14th. I checked to make sure that it had
10 been received and found out that it had never been
11 accepted by ODNR; not sure why. Not making any
12 comments about why; I'm just saying.

13 So what I did was, I turned around that
14 very day, which was already past the time of
15 receiving a letter that ODNR had sent of
16 October 31st. And I sent another copy by regular
17 mail that included a copy of this certified
18 certificate saying that I did send it before the
19 due date. And from the sounds of things,
20 Mr. Large has said that he has nothing from me,
21 even though I sent that letter probably two weeks
22 ago.

23 So anyway, I just wanted to toss that
24 out there at the end, just to say that I did make

1 the effort -- did make the attempt to send this
2 letter.

3 And also, I would like to say that I
4 would welcome anyone that would like to visit
5 Monroe County and visit my home on State Route
6 536. I would be happy to walk you around and show
7 you all the damage that has been incurred due to
8 land subsidence from fracturing of wells.

9 Also, I would mention that I had two
10 uncles that worked in the oil and gas business,
11 and both of them told me -- they have both since
12 passed away in the last few years. Both of them
13 said that they have known -- the oil and gas
14 companies have known for decades that subsidence
15 and slippage damage is caused by fracturing of the
16 land and the fracturing of the wells under the
17 land.

18 So anyway, that's all I really had. I
19 appreciate the time to make the comments. That's
20 all I have.

21 Anybody have any questions?

22 MS. BARRETT: Thank you, Mr. Johnson,
23 for your comments. They will be included as part
24 of the record.

1 MR. JOHNSON: Okay.

2 MS. BARRETT: However, I understand
3 that it's frustrating about the mail issue not
4 arriving -- the letter not getting here.

5 After the hearing, Mr. Large, if you
6 wouldn't mind staying on and seeing if there is a
7 way, either by email or you can try one last time,
8 maybe to get it mailed to us so that we can
9 include that also as part of the record. But the
10 verbal comments and the content that you have read
11 into the record today will all be part of our
12 transcript for this hearing.

13 And yeah, Mr. Large, if you could also
14 get a contact number for Mr. Johnson, if there's
15 anything further we need to follow up with him on
16 for questions or something like that. We can do
17 that after the hearing.

18 And thank you, Mr. Johnson.

19 No further questions for me.

20 Does the Applicant have any response to
21 Mr. Johnson's comments?

22 MR. VALENTINE: I believe that -- as to
23 the letter, I believe that the Division, you know,
24 received it because I was sent a copy of it via

1 email in advance of this hearing. So I did read
2 it and talked with the Applicant about the
3 contents in the letter.

4 And the comments that we have are that
5 it's our understanding that the lease of
6 Mr. Johnson's property in Monroe and the oil and
7 gas wells -- or oil wells that were drilled in the
8 unit that he's referring to -- the lease is not
9 with Ascent, nor was the well drilled or currently
10 operated by Ascent.

11 We certainly sympathize with damages
12 that you have suffered there. And as to the Sharp
13 E, Ascent will comply with all applicable laws and
14 regulations if it is granted the opportunity to
15 develop the unit.

16 MS. BARRETT: Okay. Thank you,
17 Mr. Valentine.

18 MR. JOHNSON: I'd like to make one
19 comment there about that, about his comment,
20 please.

21 MS. BARRETT: Yes. And then we will
22 move on to the next commenter.

23 Yes, please go ahead.

24 MR. JOHNSON: He seems to allude to the

1 fact -- his fact, that he thinks that while Ascent
2 is not the company that did the fracturing here,
3 that he seems to be alluding to the fact that he's
4 saying that EQT or Equinor have done something
5 wrong.

6 They have done everything that they
7 were supposed to do in accordance with the laws
8 and regulations and drilling and fracturing, as
9 far as I'm concerned. But it's my contention that
10 it should not be allowed.

11 So that's all I wanted to say. Thank
12 you.

13 MS. BARRETT: Thank you.

14 Mr. Large, would you mind calling
15 Ms. Lash next. Thank you.

16 MR. LARGE: So, Ms. Lash, would you
17 like to make some comments?

18 MS. LASH: Yes, I would. Good morning.
19 I'm Carol--

20 MR. LARGE: Can we get you sworn in
21 real quick?

22 MS. LASH: Oh, sure. Sure. Okay.

23 MR. LARGE: Sorry.

24

- - - - -

1 Carol Lash, being first duly sworn, testifies and

2 says as follows:

3 MS. LASH: Okay. I'm Carol Lash. I own
4 Tracts 145 and 150 in the proposed unit. And my
5 acreage is shorted on the proposal.

6 Tract 145 has 1.394 acres, and Ascent
7 is showing 1.458. Tract 150 has 10.0 acres, and
8 Ascent has 9.263. This makes a net shortage of
9 0.673 acres.

10 I've been in contact with their
11 landman, Connor Rhea, and just got a lot of, I
12 don't know, ideas such as -- he told me it will be
13 in the Sharp West unit, that land changes over
14 time, that he sent me a link to ODNR map, that
15 maybe I should get a new survey and maybe they
16 will look at it.

17 But acreage does not come and go. So I
18 asked them many times for the method and how they
19 arrived at these numbers, but no explanation was
20 given. So I'm just asking that my acreage is
21 corrected. Thank you.

22 MS. BARRETT: And thank you for your
23 comments, Ms. Lash.

24 Mr. Rhea, do you have a response?

1 MR. RHEA: Yes. We have been in
2 contact with Ms. Lash since October 1st of 2025.
3 And after reviewing her complaints and reviewing
4 with our teams and our independent surveyors, it
5 is Ascent's position as well as our independent
6 surveyors that we stand by the survey provided.

7 MS. LASH: I would like to know how
8 they arrived at those numbers, because my survey
9 is accurate. It's done by a professional
10 surveyor. It's on record at Belmont County. So
11 there -- and the tracts are completely within the
12 unit. So there is no basis for reducing my
13 acreage.

14 MR. RHEA: In this case, the survey
15 that we have provided was prepared recently using
16 modern surveying technology and methodologies
17 developed over the last 30 years. And while we
18 understand Ms. Lash's frustration, I would like to
19 say, again, that it is Ascent's position as well
20 as our independent surveyors' that we stand by the
21 survey provided.

22 MS. LASH: I assume you're referring to
23 GIS. GIS does not trump a land survey. So again,
24 I am asking for my acreage to be corrected. Thank

1 you.

2 MS. BARRETT: Thank you. Thank you for
3 your comment, Ms. Lash.

4 I understand it to have been surveyed.
5 Is that correct, Mr. Rhea?

6 MR. VALENTINE: Yes, it was.

7 MS. BARRETT: Okay.

8 MS. LASH: Can I see the survey then?
9 I mean, I would like to see it. If that's the
10 case, then I've been overcharged on my real estate
11 taxes here. So I would like to see that.

12 MR. RHEA: So the link that I provided
13 to you prior to the unitization hearing to the
14 ODNR application, and specifically Exhibit D that
15 I pointed out, is the survey that we provided.

16 MS. LASH: That does not fly. All I
17 got was the link for the map. It doesn't show me
18 the bearing that you used or anything.

19 MR. RHEA: Again, as I've stated, it's
20 Ascent's position and the position of our
21 independent surveyors that we stand by the survey
22 provided.

23 MS. LASH: Well, your surveyors are
24 wrong.

1 MS. BARRETT: Okay.

2 MS. LASH: There was nobody in my field
3 doing a survey. So how could they do a survey?

4 MS. BARRETT: Okay. Thank you for your
5 comments, Ms. Lash.

6 MS. LASH: Okay, thank you.

7 MS. BARRETT: I understand the basis of
8 your comments.

9 Mr. Large, can we now call
10 Mr. Pickenpaugh, please.

11 MR. LARGE: Sure.

12 Mr. Don Pickenpaugh, are you still on
13 here?

14 MR. PICKENPAUGH: Yes. Yes, I am.

15 MR. LARGE: Okay. Let me get you sworn
16 in real quick, and we can take your comments.

17 MR. PICKENPAUGH: Okay.

18 - - - - -

19 Don Pickenpaugh, being first duly sworn, testifies

20 and says as follows:

21 MR. PICKENPAUGH: I'm Don Pickenpaugh
22 and have one-fourth mineral interest in Parcel
23 32-01581, Tract 153.

24 I am the retired GIS Director for

1 Belmont County and was a registered surveyor in
2 Ohio from 1985 to 2023 and a GIS professional from
3 2009 to 2019. I was active with the County
4 Engineers Association of Ohio, the Ohio Chapter of
5 URISA, the OGRIP Forum, and the Professional Land
6 Surveyors of Ohio, serving as its president in
7 2011. Prior to that, I was employed by Marietta
8 Coal Company in the permitting process for surface
9 mine permits from 1974 to 1988.

10 I received certified mail on
11 September 25th from ODNR for the unitization
12 hearing and noticed a discrepancy between the
13 acreage on the supplied map and the deed acreages
14 for parcels in the name of Carol Lash: Parcels 145
15 and 150.

16 My first thoughts were Ascent used the
17 county parcel layer, which I was instrumental in
18 developing, as a source of polygon acreage. But a
19 check with the current GIS Director proved this
20 false. I emailed Connor Rhea, assistant landman
21 for Ascent, on October 23rd and pointed out the
22 discrepancy. I included closure calculations for
23 these two parcels verifying the deed acreage.

24 To date, I have not received the reply

1 from Mr. Rhea. I'm curious as to how Ascent
2 calculated the acreage values for these two
3 parcels.

4 I am not opposed to the unitization of
5 the Sharp E unit and support the wise use of our
6 natural resources. Thank you for your time and
7 efforts.

8 MS. BARRETT: Mr Rhea, do you have a
9 response to Mr. Pickenpaugh's comments?

10 MR. RHEA: Yes --

11 MR. VALENTINE: Ms. Barrett, I think
12 that, you know, Ascent has stated its position
13 that it is going to rely upon the survey provided
14 by its independent providers.

15 Mr. Rhea is not a licensed surveyor and
16 not qualified to speak to the methodology that was
17 used. And Ascent has stated that its position is
18 to rely upon the survey provided.

19 MS. BARRETT: For the entire unit?
20 That was -- I didn't understand his response.

21 MR. VALENTINE: Yes. For the entire
22 unit and individual tracts within the unit.

23 MR. PICKENPAUGH: You referenced your
24 surveyor at Ascent. Is your surveyor a registered

1 surveyor in the State of Ohio?

2 MS. BARRETT: Is the Applicant able to
3 respond to that question?

4 MR. RHEA: Yes. Our independent
5 surveyors are registered surveyors in the State of
6 Ohio.

7 MR. PICKENPAUGH: Could you please
8 provide the name and registration number?

9 MR. RHEA: I would not be able to
10 provide that right now, but can get with you after
11 the hearing.

12 MR. PICKENPAUGH: Okay.

13 MR. RHEA: Or later on.

14 MR. PICKENPAUGH: Okay.

15 MR. LARGE: Okay, thank you.

16 MS. BARRETT: Thank you,

17 Mr. Pickenpaugh.

18 MR. LARGE: Is there anyone else that
19 would like to make comments or has a question?

20 Hearing none.

21 Okay. Ms. Barrett, do you have any
22 additional questions for the Applicant?

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

24 MR. LARGE: Does the Applicant have any

1 closing remarks?

2 MR. VALENTINE: We do not. Thank you
3 for your time this morning.

4 MR. LARGE: Thank you, everyone.
5 The hearing is now concluded.

6 - - - - -

7 Thereupon, the foregoing proceedings
8 concluded at 9:52 a.m.

9 - - - - -

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

3 I, Bridget Mary Hoyer, 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 December 8, 2025.

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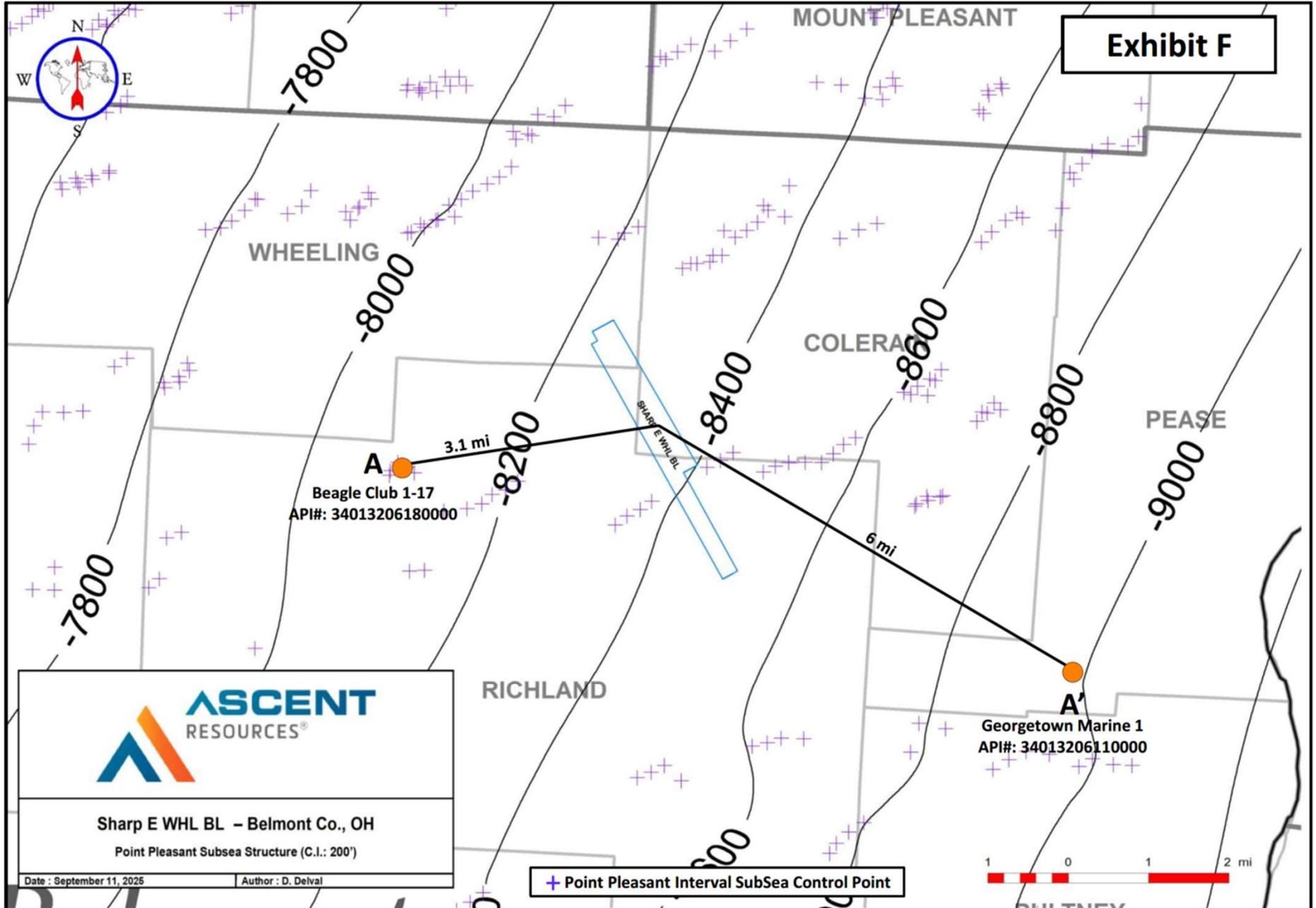
Bridget Mary Hoyer, Notary Public - State of Ohio
My commission expires April 14, 2030.

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



SHARP E WHL BL UNIT

Application for Unit Operations



A

Beagle Club 1-17
API#: 34013206180000

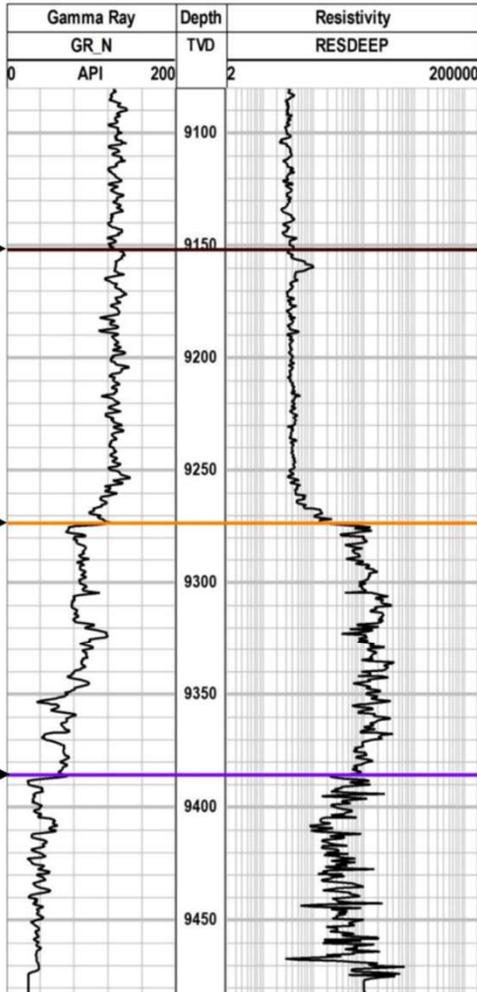


Exhibit E

Approx. Location of
Sharp E WHL BL Unit

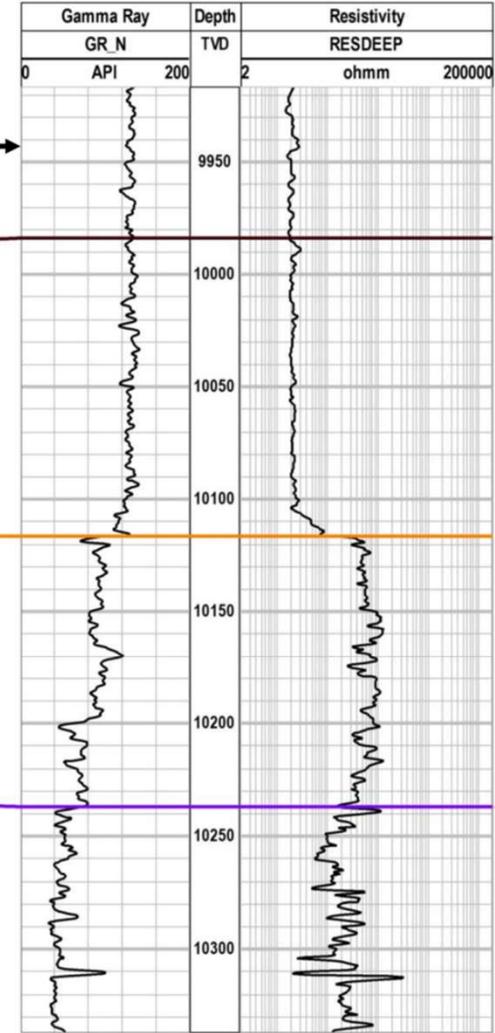
3.1 miles

6 miles

Proposed
Unitized
Formation

A'

Georgetown Marine 1
API#: 34013206110000



Top of Utica
9,984' TVD
-8,855' Subsea

Base of Utica
10,237' TVD
-9,108' Subsea

Utica
Shale
Formation

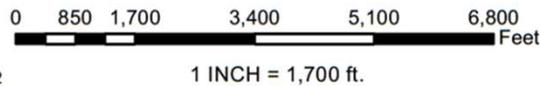
Top of the Utica
9,152' TVD
-7,985' Subsea

Point
Pleasant
Interval

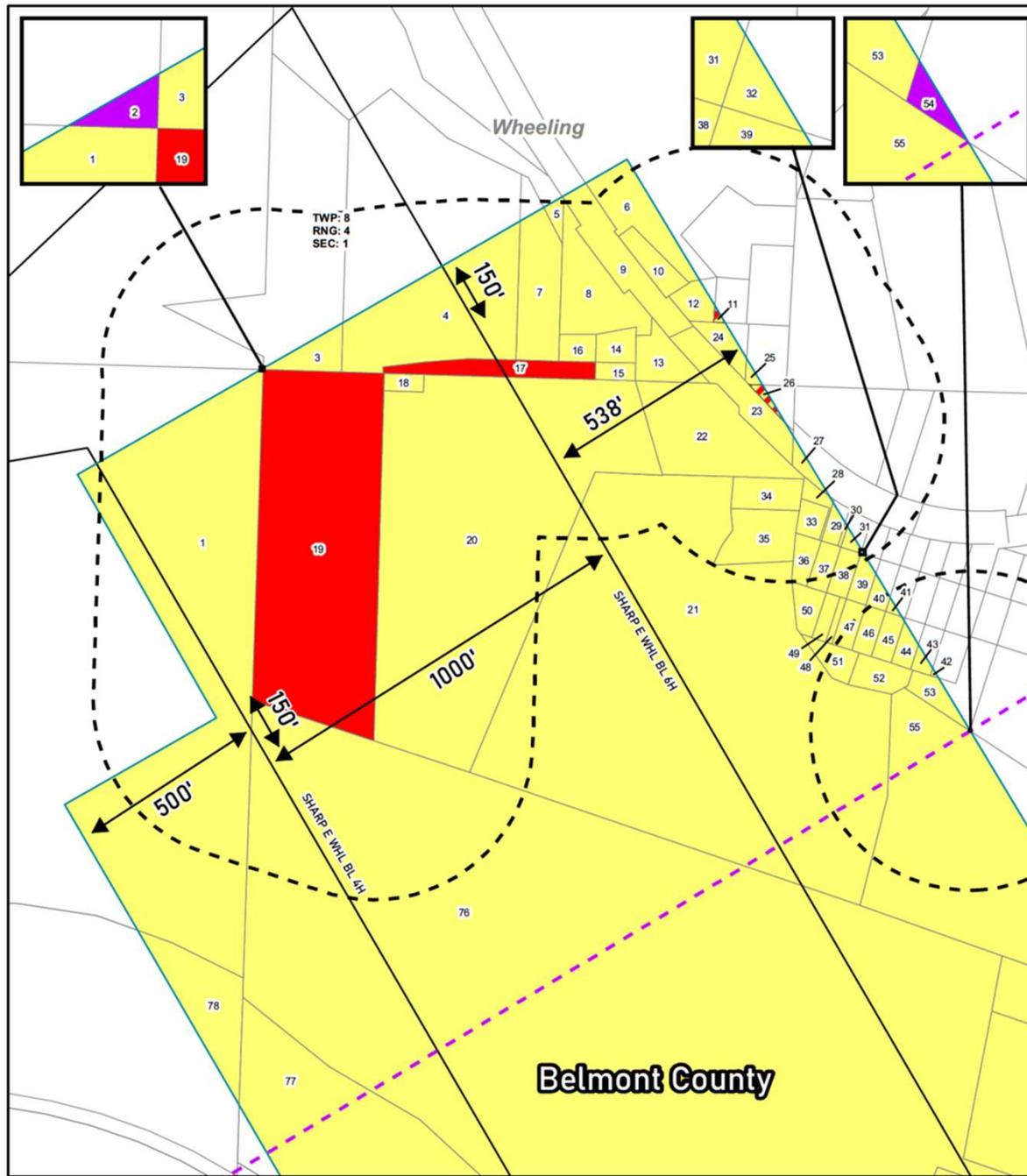
Base of Utica
9,386' TVD
-8,219' Subsea



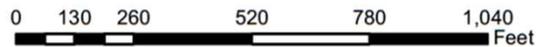
SHARP E WHL BL EXHIBIT D: Well Plat



- Sharp E WHL BL Unit - 720.606 Ac.
- Pad
- Laterals
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Non-Consenting Parcels
- Non-Conforming Parcels
- Partially Consenting/Unleased
- Unleased Parcels
- County Boundaries



SHARP E WHL BL EXHIBIT D-1: Well Plat



1 INCH = 260 ft.

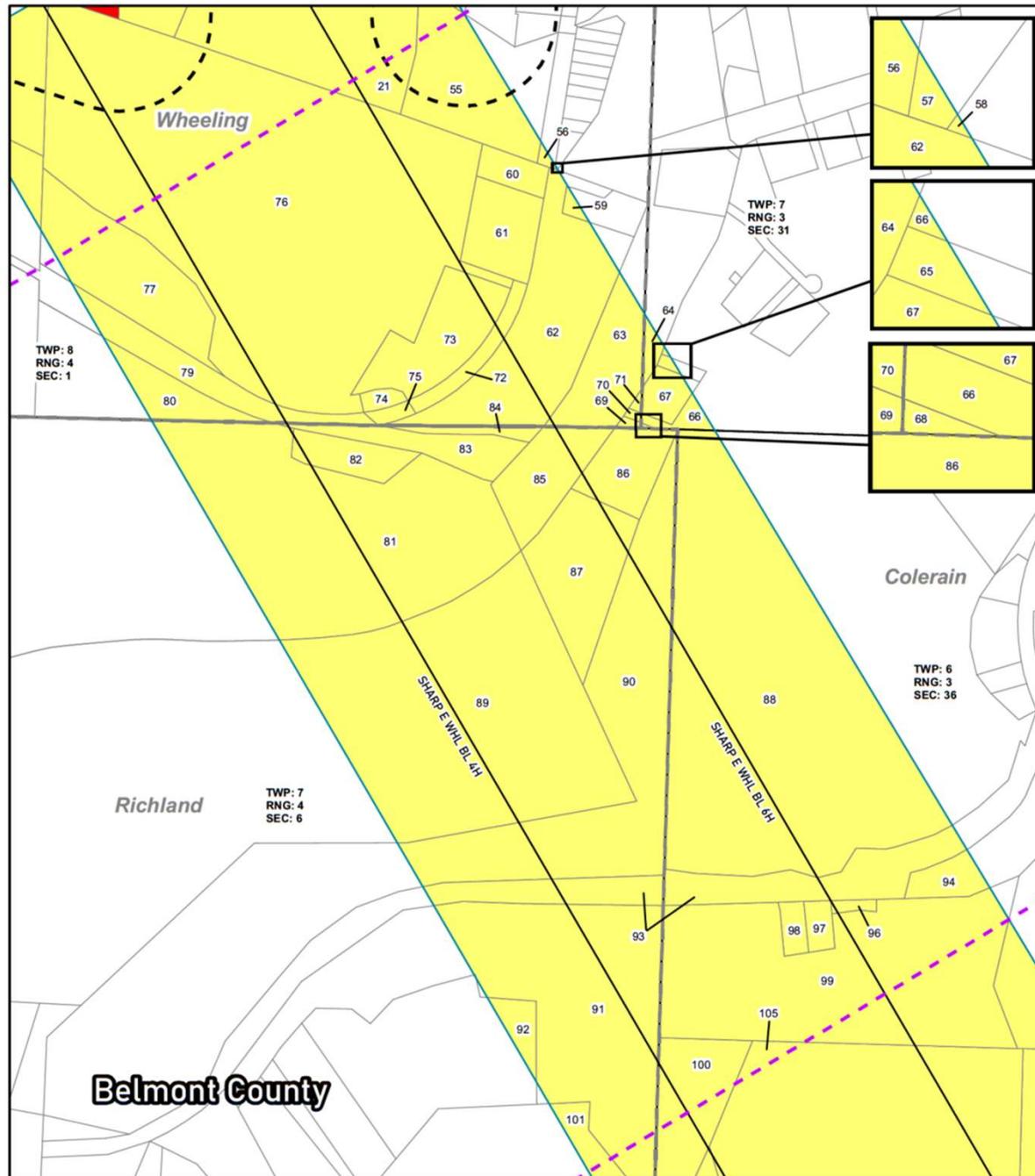
-  Sharp E WHL BL Unit - 720.606 Ac.
-  Pad
-  Laterals
-  Buffer - 400 ft.
-  Municipal Townships
-  PLSS Section
-  Consenting Parcels
-  Non-Consenting Parcels
-  Non-Conforming Parcels
- Partially Consenting/Unleased
- Unleased Parcels
- County Boundaries



EXHIBIT D-1 UNIT PARCEL CHART:

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
1	50-00562.000	9.622
2	50-01205.000	0.001
3	50-00002.000	0.285
4	50-00290.000	2.316
5	50-00397.000	0.068
6	50-00268.000	0.644
7	50-00234.000	0.876
8	50-00178.000	0.883
9	50-90014.001	0.718
10	50-00251.000	0.261
11	50-00199.000	0.013
12	50-00252.000	0.181
13	50-00205.000	0.372
14	50-00188.000	0.186
15	50-00168.001	0.102
16	50-00203.000	0.146
17	50-00168.000	0.468
18	50-00558.001	0.101
19	50-00168.000	6.159
20	50-00558.000	10.098
21	50-00443.000	15.911
22	50-00658.000	1.478
23	50-90014.002	0.584
24	50-00225.000	0.198
25	50-00224.000	0.033
26	50-00327.000	0.043
27	50-90014.008	0.085
28	50-00797.000	0.079
29	50-00798.000	0.081
30	50-00827.000	0.011
31	50-00828.000	0.037
32	50-00832.000	0.001
33	50-00840.000	0.135
34	50-00106.000	0.320
35	50-00007.000	0.545
36	50-00796.000	0.148
37	50-00795.000	0.144
38	50-00794.000	0.144
39	50-00818.000	0.125
40	50-00817.000	0.071
41	50-00806.000	0.018
42	50-00846.000	0.005
43	50-00805.000	0.050
44	50-00836.000	0.105
45	50-00816.000	0.141
46	50-00847.000	0.142
47	50-00822.000	0.142
48	50-00821.000	0.044
49	50-00824.000	0.097
50	50-00823.000	0.178
51	50-00845.000	0.189
52	50-00844.000	0.245
53	50-00227.000	0.187
54	50-00409.000	0.001
55	50-00066.000	5.310
76	50-00503.001	45.628
77	50-00503.001	6.119
78	50-00621.000	1.013





Belmont County

SHARP E WHL BL EXHIBIT D-2: Well Plat

0 230 460 920 1,380 1,840 Feet

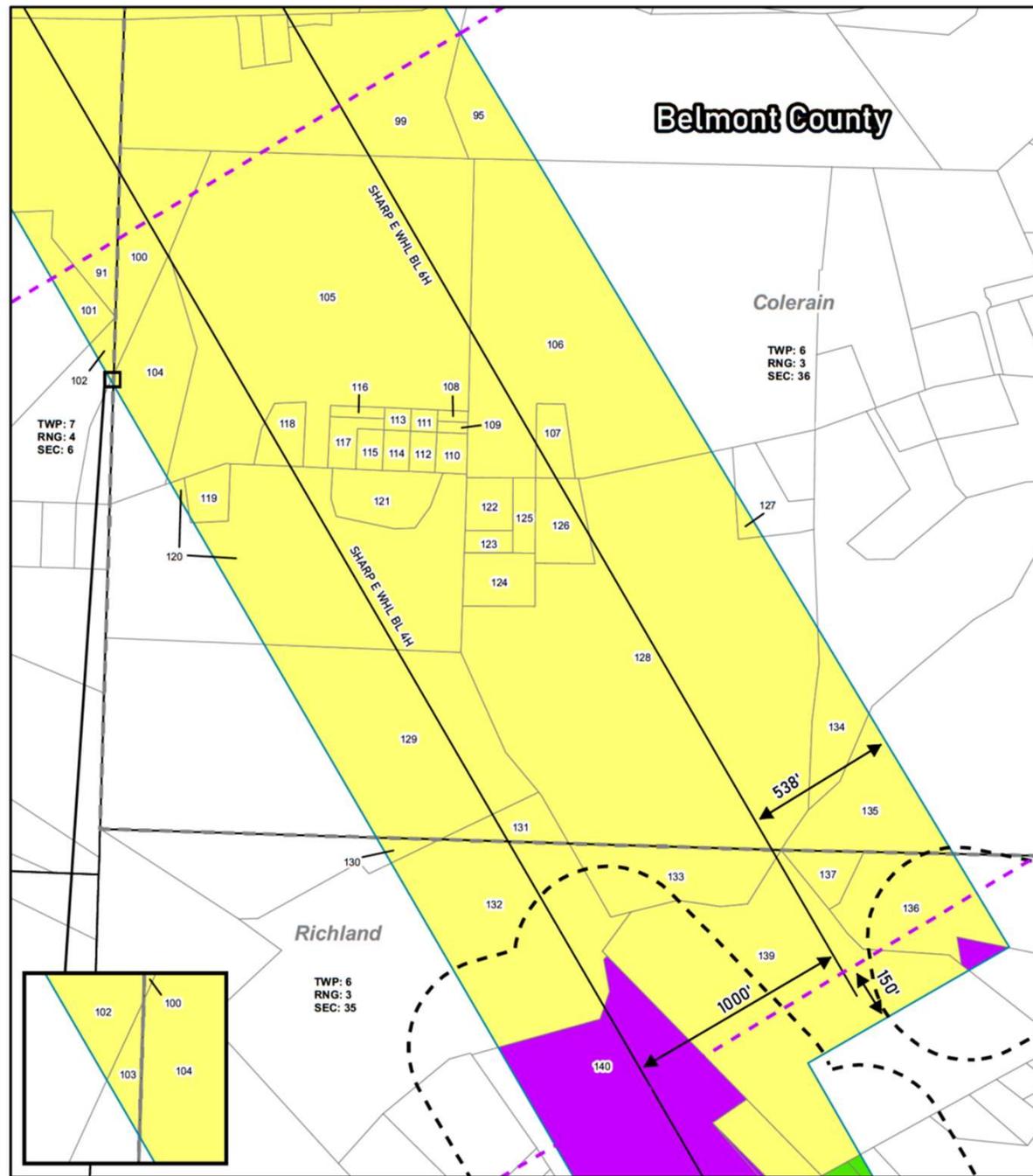
1 INCH = 460 ft.



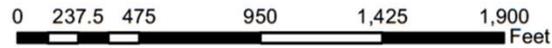
EXHIBIT D-2 UNIT PARCEL CHART:

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
21	50-00443.000	15.911
55	50-00066.000	5.310
56	50-01241.007	0.104
57	50-00843.000	0.003
58	50-00391.000	0.001
59	50-00392.000	0.179
60	50-01241.009	0.969
61	50-01241.008	2.676
62	50-00582.000	8.711
63	50-00088.000	3.425
64	68-00231.000	0.357
65	68-00689.000	0.096
66	68-00684.000	0.493
67	68-00685.000	0.874
68	68-00723.000	0.018
69	50-00383.002	0.087
70	50-00383.000	0.064
71	50-00383.001	0.070
72	50-01241.000	1.124
73	50-00503.002	4.134
74	50-00503.000	0.342
75	50-01241.001	0.281
76	50-00503.001	45.628
77	50-00503.001	6.119
79	50-01241.009	2.941
80	50-00586.000	1.874
81	32-03649.002	20.653
82	32-00075.000	1.707
83	32-03967.000	2.242
84	32-01529.001	0.569
85	32-01119.000	3.167
86	32-01749.002	2.436
87	32-01749.001	5.095
88	68-00480.000	32.280
89	32-03649.000	25.082
90	32-01750.000	14.660
91	32-03690.000	15.728
92	32-01771.000	0.860
93	68-00721.000	6.857
94	68-00481.001	1.114
96	68-00716.000	0.232
97	68-00718.000	0.578
98	68-00339.000	0.565
99	68-00488.000	19.741
100	68-00323.000	4.838
101	32-01575.000	1.819
105	68-00126.000	35.895





SHARP E WHL BL
EXHIBIT D-3: Well Plat



1 INCH = 475 ft.

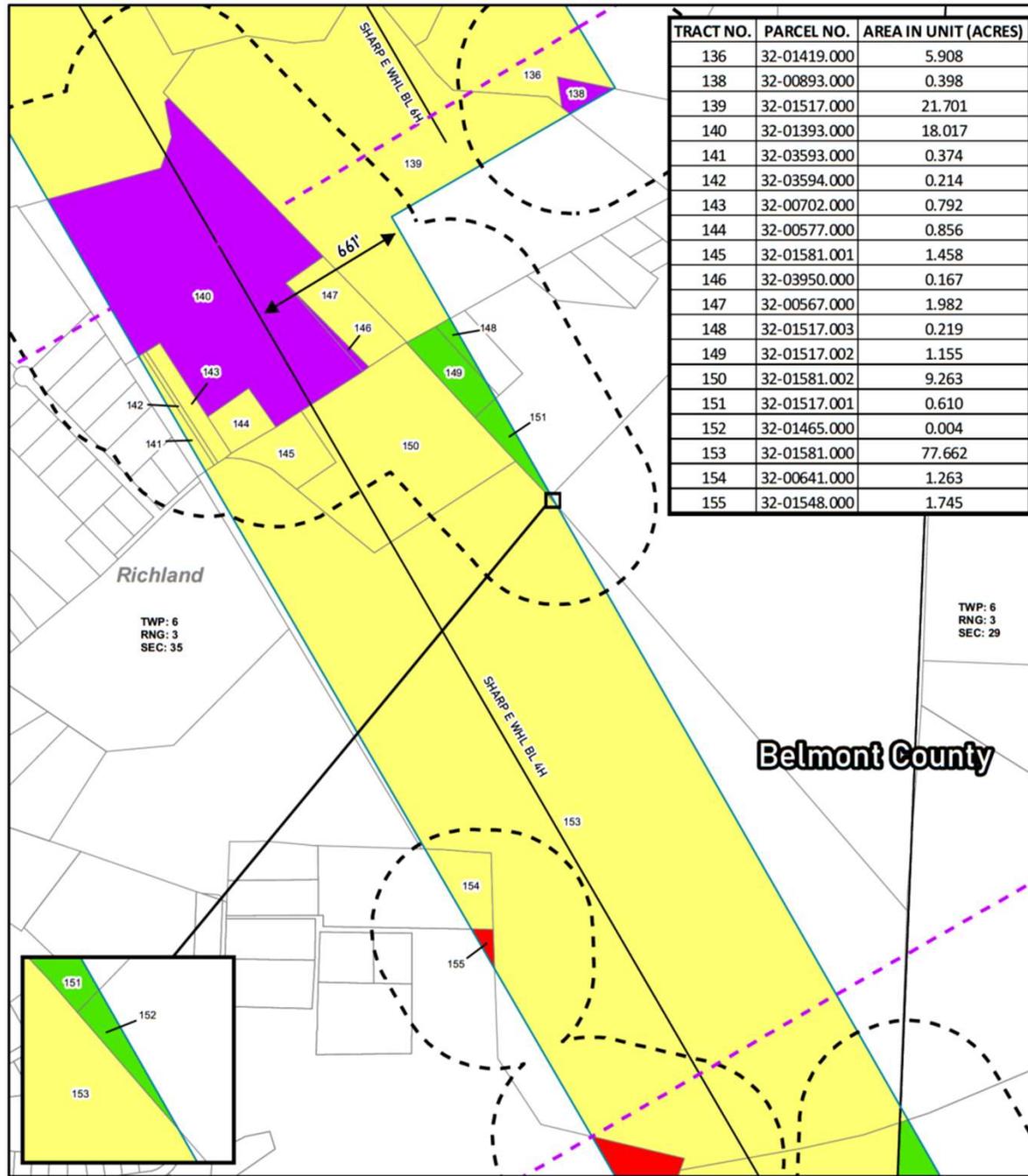
-  Sharp E WHL BL Unit - 720.606 Ac.
-  Pad
-  Laterals
-  Buffer - 400 ft.
-  Municipal Townships
-  PLSS Section
-  Consenting Parcels
-  Non-Consenting Parcels
-  Non-Conforming Parcels
-  Partially Consenting/Unleased
-  Unleased Parcels
- County Boundaries



EXHIBIT D-3 UNIT PARCEL CHART:

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
91	32-03690.000	15.728
95	68-00675.000	2.507
99	68-00488.000	19.741
100	68-00323.000	4.838
101	32-01575.000	1.819
102	32-01575.002	0.376
103	32-01575.001	0.006
104	68-00322.000	4.368
105	68-00126.000	35.895
106	68-00125.000	21.538
107	68-00124.000	1.152
108	68-00037.000	0.158
109	68-00036.000	0.159
110	68-00035.000	0.580
111	68-00032.000	0.272
112	68-00033.000	0.489
113	68-00128.000	0.271
114	68-00127.000	0.489
115	68-00057.000	0.489
116	68-00059.000	0.279
117	68-00058.000	0.796
118	68-00089.000	1.229
119	68-00020.000	1.000
120	68-00100.000	16.932
121	68-00131.000	2.448
122	68-00018.000	1.136
123	68-00130.002	0.494
124	68-00130.006	1.747
125	68-00130.004	0.769
126	68-00130.003	2.009
127	68-00130.005	0.272
128	68-00130.000	46.051
129	68-00072.000	14.853
130	32-01498.000	0.367
131	68-00728.000	1.500
132	32-01480.000	14.334
133	32-01768.000	4.825
134	68-00129.000	2.556
135	68-00080.000	5.128
136	32-01419.000	5.908
137	32-00716.000	1.181
139	32-01517.000	21.701
140	32-01393.000	18.017





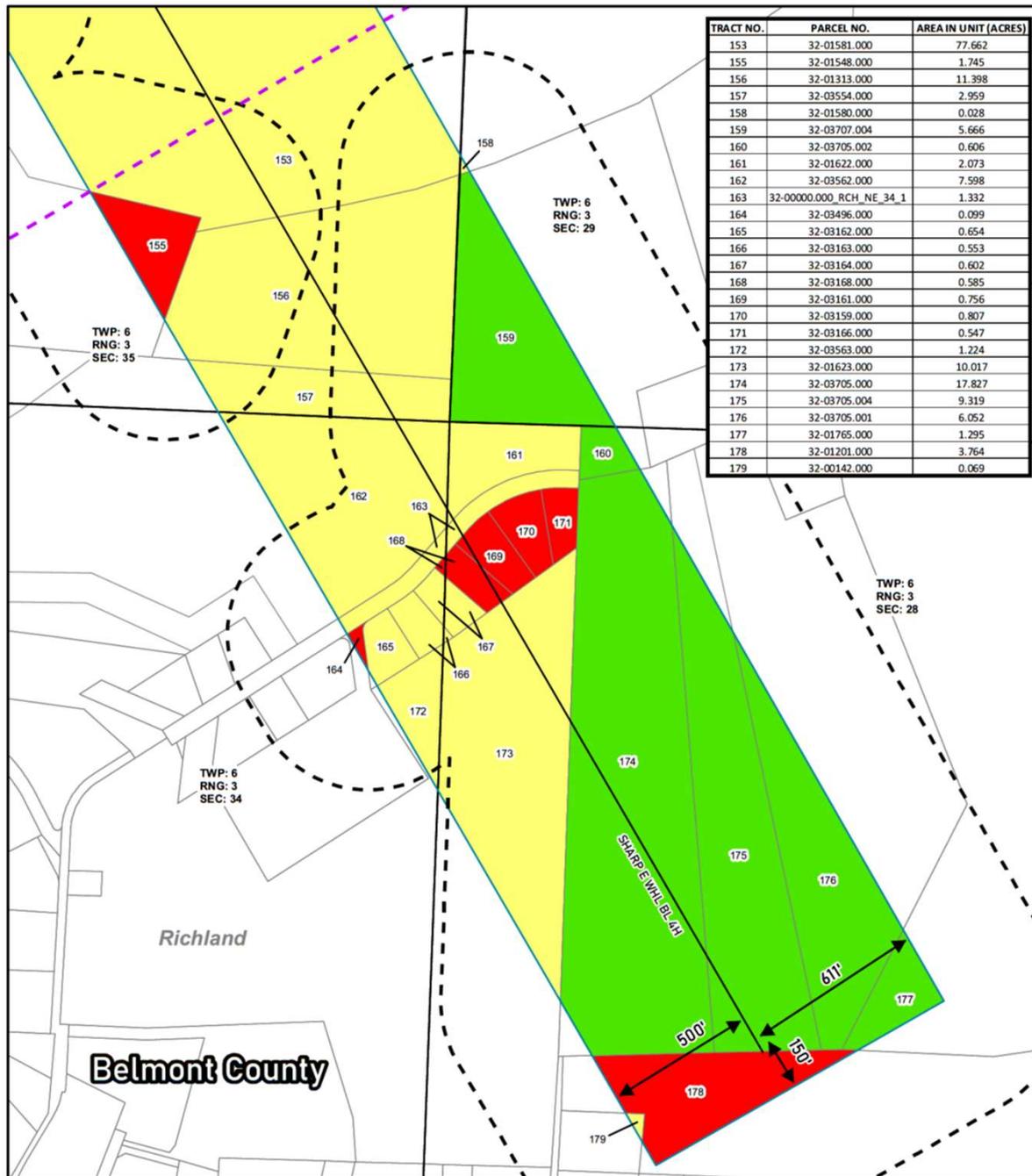
NAD 1983 StatePlane Ohio South FIPS 3402

SHARP E WHL BL EXHIBIT D-4: Well Plat



1 INCH = 425 ft.

- Sharp E WHL BL Unit - 720.606 Ac.
- Pad
- Laterals
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Non-Consenting Parcels
- Non-Conforming Parcels
- Partially Consenting/Unleased
- Unleased Parcels
- County Boundaries



Richland
Belmont County

SHARP E WHL BL EXHIBIT D-5: Well Plat



1 INCH = 350 ft.



NAD 1983 StatePlane Ohio South FIPS 3402

- Sharp E WHL BL Unit - 720.606 Ac.
- Pad
- Laterals
- Buffer - 400 ft.
- Municipal Townships
- PLSS Section
- Consenting Parcels
- Non-Consenting Parcels
- Non-Conforming Parcels
- Partially Consenting/Unleased
- 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	50-00562.000	9.622	D-1	91	32-03690.000	15.728	D-2/D-3
2	50-01205.000	0.001	D-1	92	32-01771.000	0.860	D-2
3	50-00002.000	0.285	D-1	93	68-00721.000	6.857	D-2
4	50-00290.000	2.316	D-1	94	68-00481.001	1.114	D-2
5	50-00397.000	0.068	D-1	95	68-00675.000	2.507	D-3
6	50-00268.000	0.644	D-1	96	68-00716.000	0.232	D-2
7	50-00234.000	0.876	D-1	97	68-00718.000	0.578	D-2
8	50-00178.000	0.883	D-1	98	68-00339.000	0.565	D-2
9	50-90014.001	0.718	D-1	99	68-00488.000	19.741	D-2/D-3
10	50-00251.000	0.261	D-1	100	68-00323.000	4.838	D-2/D-3
11	50-00199.000	0.013	D-1	101	32-01575.000	1.819	D-2/D-3
12	50-00252.000	0.181	D-1	102	32-01575.002	0.376	D-3
13	50-00205.000	0.372	D-1	103	32-01575.001	0.006	D-3
14	50-00188.000	0.186	D-1	104	68-00322.000	4.368	D-3
15	50-00168.001	0.102	D-1	105	68-00126.000	35.895	D-2/D-3
16	50-00203.000	0.146	D-1	106	68-00125.000	21.538	D-3
17	50-00168.000	0.468	D-1	107	68-00124.000	1.152	D-3
18	50-00558.001	0.101	D-1	108	68-00037.000	0.158	D-3
19	50-00168.000	6.159	D-1	109	68-00036.000	0.159	D-3
20	50-00558.000	10.098	D-1	110	68-00035.000	0.580	D-3
21	50-00443.000	15.911	D-1/D-2	111	68-00032.000	0.272	D-3
22	50-00658.000	1.478	D-1	112	68-00033.000	0.489	D-3
23	50-90014.002	0.584	D-1	113	68-00128.000	0.271	D-3
24	50-00225.000	0.198	D-1	114	68-00127.000	0.489	D-3
25	50-00224.000	0.033	D-1	115	68-00057.000	0.489	D-3
26	50-00327.000	0.043	D-1	116	68-00059.000	0.279	D-3
27	50-90014.008	0.085	D-1	117	68-00058.000	0.796	D-3
28	50-00797.000	0.079	D-1	118	68-00089.000	1.229	D-3
29	50-00798.000	0.081	D-1	119	68-00020.000	1.000	D-3
30	50-00827.000	0.011	D-1	120	68-00100.000	16.932	D-3
31	50-00828.000	0.037	D-1	121	68-00131.000	2.448	D-3
32	50-00832.000	0.001	D-1	122	68-00018.000	1.136	D-3
33	50-00840.000	0.135	D-1	123	68-00130.002	0.494	D-3
34	50-00106.000	0.320	D-1	124	68-00130.006	1.747	D-3
35	50-00007.000	0.545	D-1	125	68-00130.004	0.769	D-3
36	50-00796.000	0.148	D-1	126	68-00130.003	2.009	D-3
37	50-00795.000	0.144	D-1	127	68-00130.005	0.272	D-3
38	50-00794.000	0.144	D-1	128	68-00130.000	46.051	D-3
39	50-00818.000	0.125	D-1	129	68-00072.000	14.853	D-3
40	50-00817.000	0.071	D-1	130	32-01498.000	0.367	D-3
41	50-00806.000	0.018	D-1	131	68-00728.000	1.500	D-3
42	50-00846.000	0.005	D-1	132	32-01480.000	14.334	D-3
43	50-00805.000	0.050	D-1	133	32-01768.000	4.825	D-3
44	50-00836.000	0.105	D-1	134	68-00129.000	2.556	D-3
45	50-00816.000	0.141	D-1	135	68-00080.000	5.128	D-3
46	50-00847.000	0.142	D-1	136	32-01419.000	5.908	D-3/D-4
47	50-00822.000	0.142	D-1	137	32-00716.000	1.181	D-3
48	50-00821.000	0.044	D-1	138	32-00893.000	0.398	D-4
49	50-00824.000	0.097	D-1	139	32-01517.000	21.701	D-3/D-4
50	50-00823.000	0.178	D-1	140	32-01393.000	18.017	D-3/D-4
51	50-00845.000	0.189	D-1	141	32-03593.000	0.374	D-4
52	50-00844.000	0.245	D-1	142	32-03594.000	0.214	D-4
53	50-00227.000	0.187	D-1	143	32-00702.000	0.792	D-4
54	50-00409.000	0.001	D-1	144	32-00577.000	0.856	D-4
55	50-00066.000	5.310	D-1/D-2	145	32-01581.001	1.458	D-4
56	50-01241.007	0.104	D-2	146	32-03950.000	0.167	D-4
57	50-00843.000	0.003	D-2	147	32-00567.000	1.982	D-4
58	50-00391.000	0.001	D-2	148	32-01517.003	0.219	D-4
59	50-00392.000	0.179	D-2	149	32-01517.002	1.155	D-4
60	50-01241.009	0.969	D-2	150	32-01581.002	9.263	D-4
61	50-01241.008	2.676	D-2	151	32-01517.001	0.610	D-4
62	50-00582.000	8.711	D-2	152	32-01465.000	0.004	D-4
63	50-00088.000	3.425	D-2	153	32-01581.000	77.662	D-4/D-5
64	68-00231.000	0.357	D-2	154	32-00641.000	1.263	D-4
65	68-00689.000	0.096	D-2	155	32-01548.000	1.745	D-4/D-5
66	68-00684.000	0.493	D-2	156	32-01313.000	11.398	D-5
67	68-00685.000	0.874	D-2	157	32-03554.000	2.959	D-5
68	68-00723.000	0.018	D-2	158	32-01580.000	0.028	D-5
69	50-00383.002	0.087	D-2	159	32-03707.004	5.666	D-5
70	50-00383.000	0.064	D-2	160	32-03705.002	0.606	D-5
71	50-00383.001	0.070	D-2	161	32-01622.000	2.073	D-5
72	50-01241.000	1.124	D-2	162	32-03562.000	7.598	D-5
73	50-00503.002	4.134	D-2	163	32-00000.000 RCH NE 34 1	1.332	D-5
74	50-00503.000	0.342	D-2	164	32-03496.000	0.099	D-5
75	50-01241.001	0.281	D-2	165	32-03162.000	0.654	D-5
76	50-00503.001	45.628	D-1/D-2	166	32-03163.000	0.553	D-5
77	50-00503.001	6.119	D-1/D-2	167	32-03164.000	0.602	D-5
78	50-00621.000	1.013	D-1	168	32-03168.000	0.585	D-5
79	50-01241.009	2.941	D-2	169	32-03161.000	0.756	D-5
80	50-00586.000	1.874	D-2	170	32-03159.000	0.807	D-5
81	32-03649.002	20.653	D-2	171	32-03166.000	0.547	D-5
82	32-00075.000	1.707	D-2	172	32-03563.000	1.224	D-5
83	32-03967.000	2.242	D-2	173	32-01623.000	10.017	D-5
84	32-01529.001	0.569	D-2	174	32-03706.000	17.827	D-5
85	32-01119.000	3.167	D-2	175	32-03706.004	9.319	D-5
86	32-01749.002	2.436	D-2	176	32-03706.001	6.052	D-5
87	32-01749.001	5.095	D-2	177	32-01765.000	1.295	D-5
88	68-00480.000	32.280	D-2	178	32-01201.000	3.764	D-5
89	32-03649.000	25.082	D-2	179	32-00142.000	0.069	D-5
90	32-01750.000	14.660	D-2		TOTAL:	720.606	





Section 5. Economic Calculation Summaries *Required*
Unitized Scenario

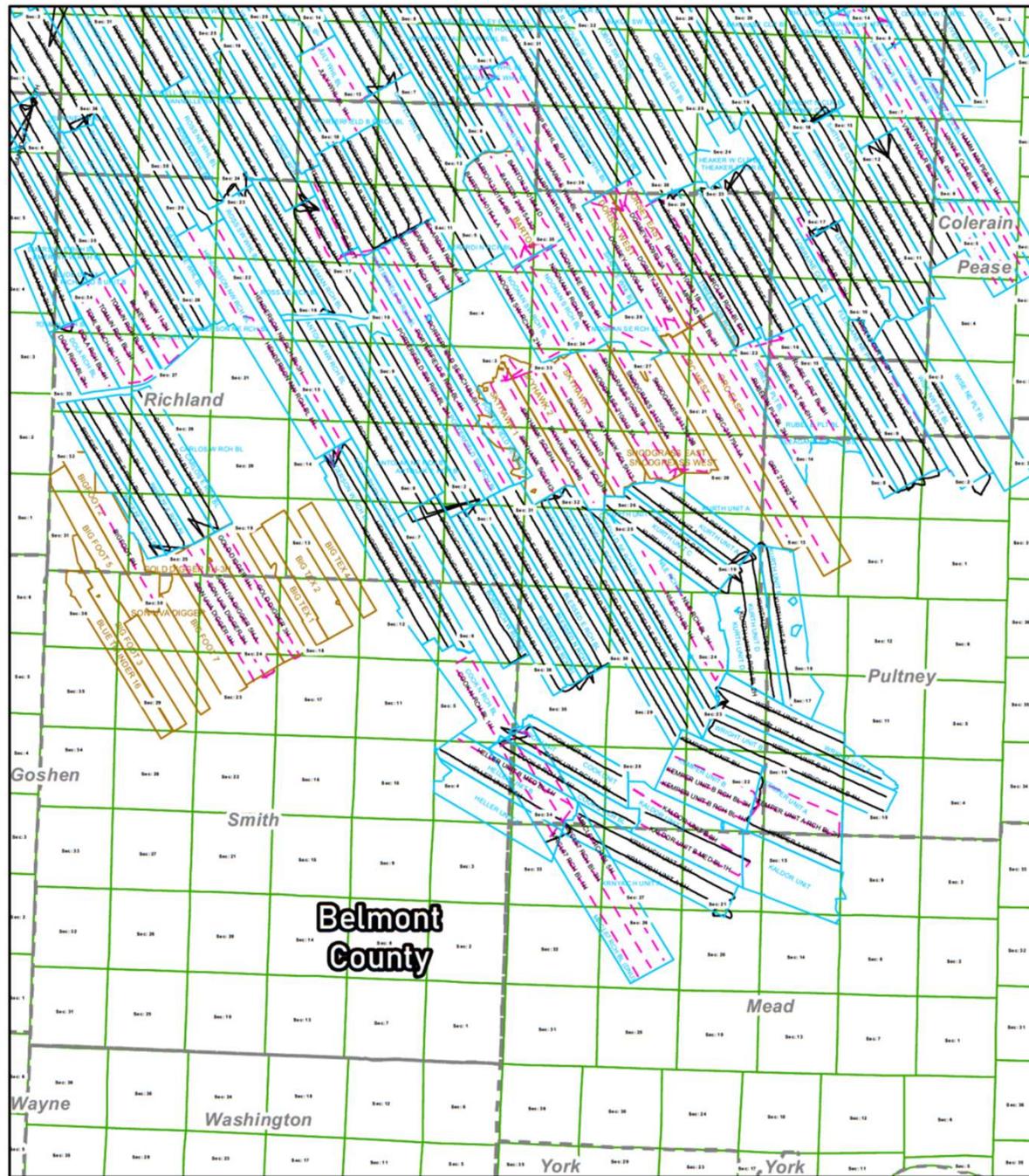
Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MM\$)	Capital Costs (MM\$)	Undiscounted Value of Estimated Recovery (MM\$)	PV0 (MM\$)	PV10 (MM\$)	Estimated Gross Recovery (BCFe)
SHARP E WHL BL 4H	17,400	28,600	\$35.339	\$12.246	\$117.137	\$68.237	\$31.078	35.880
SHARP E WHL BL 6H	10,721	22,921	\$22.465	\$9.205	\$72.173	\$39.600	\$17.476	22.107
Total:	28,121	51,521	\$57.804	\$21.450	\$189.310	\$107.837	\$48.554	57.986

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)
SHARP E WHL BL 4H	8,521	19,721	\$18.225	\$8.384	\$57.364	\$29.988	\$12.828	17.571
SHARP E WHL BL 6H	0	0	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	0.000
Total:	8,521	19,721	\$18.225	\$8.384	\$57.364	\$29.988	\$12.828	17.571

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)
SHARP E WHL BL 4H	8,879	8,879	\$17.114	\$3.861	\$59.773	\$38.248	\$18.250	18.309
SHARP E WHL BL 6H	10,721	22,921	\$22.465	\$9.205	\$72.173	\$39.600	\$17.476	22.107
Total:	19,600	31,800	\$39.579	\$13.066	\$131.945	\$77.849	\$35.725	40.415



Adjacent Units - 1

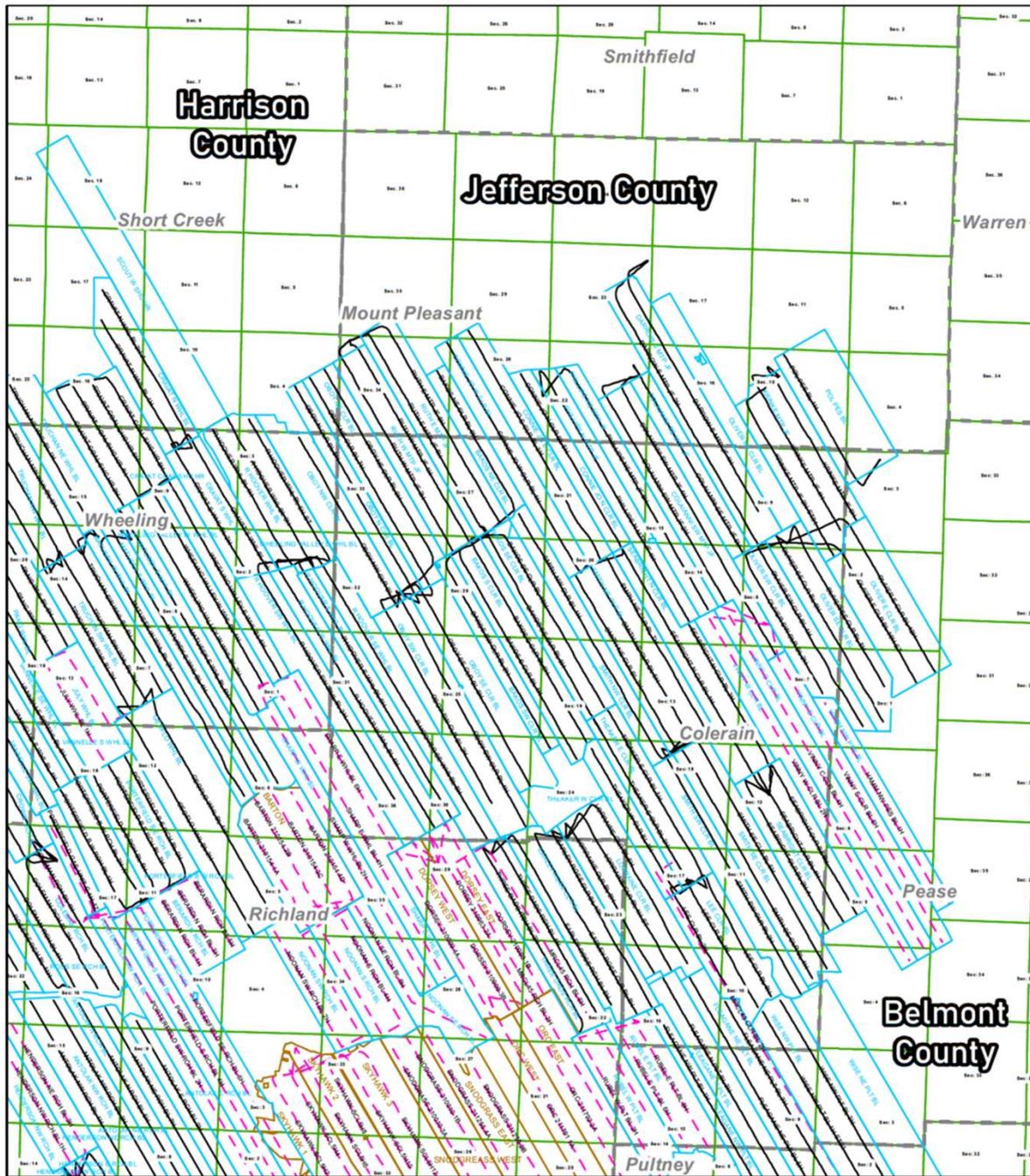


NAD 1927 StatePlane Ohio South FIPS 3402

0 3,550 7,100 14,200 21,300 28,400 Feet

1 INCH = 7,100 ft.

- ▭ Working Units
- ▭ Competitor Units
- Proposed Laterals
- Producing Laterals
- Municipal Townships
- PLSS Section
- County Boundaries



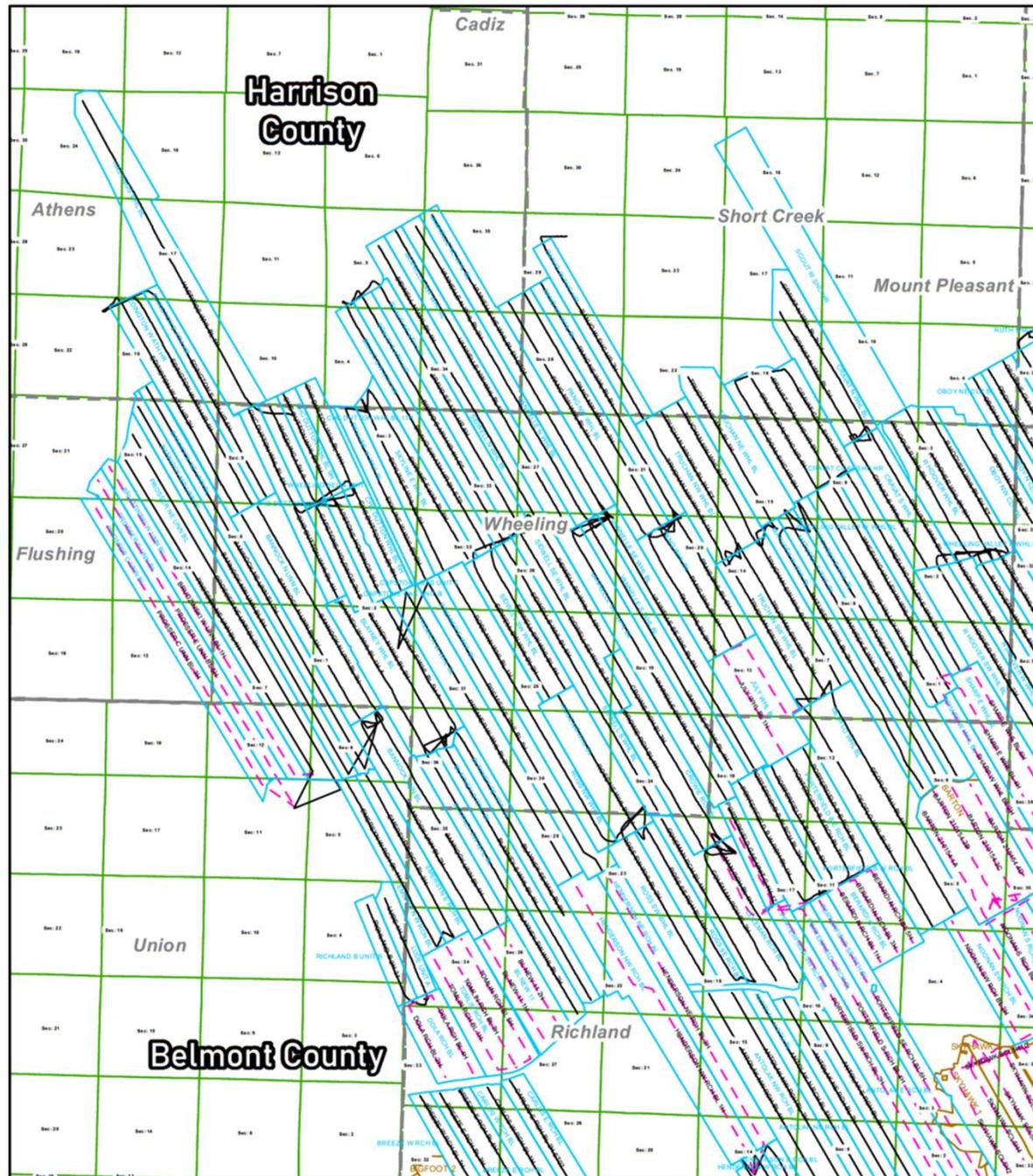
NAD 1927 StatePlane Ohio South FIPS 3402

Adjacent Units - 2



1 INCH = 7,100 ft.

- Working Units
- Competitor Units
- Proposed Laterals
- Producing Laterals
- Municipal Townships
- PLSS Section
- County Boundaries



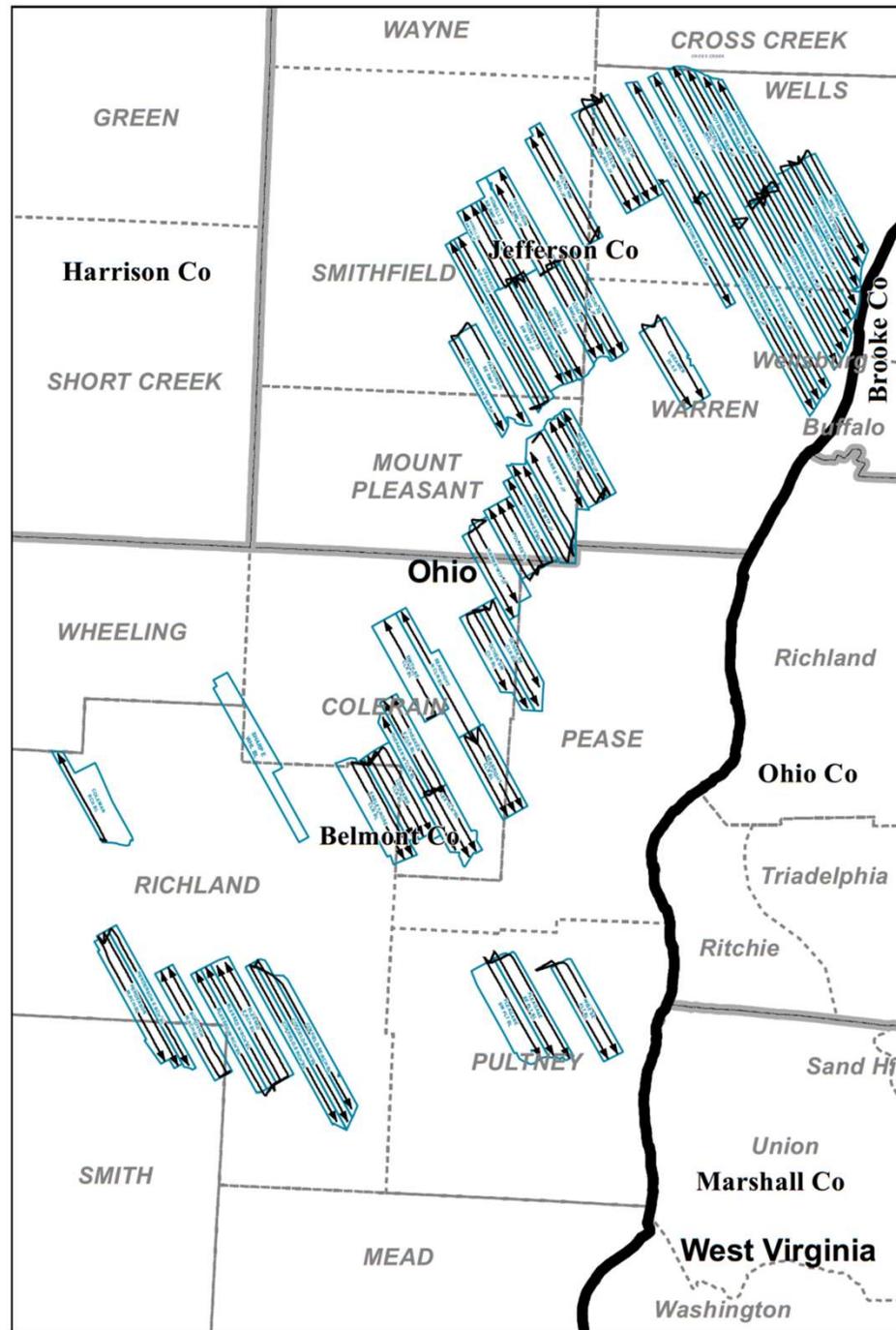
NAD 1927 StatePlane Ohio South FIPS 3402

Adjacent Units - 3

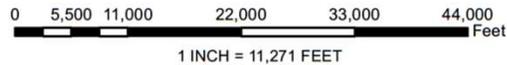


1 INCH = 7,100 ft.

- ▭ Working Units
- ▭ Competitor Units
- ▭ Proposed Laterals
- ▭ Producing Laterals
- Municipal Townships
- PLSS Section
- County Boundaries



SHARP E WHL BL
EXHIBIT 7: RESERVE CALCULATION



Legend	
	Producing
	ARU Units



Sharp E WHL BL Unit – Reserve Calculations Wells

WELL NAME	API NO.	LATERAL LENGTH (ft.)	PROD. START DATE	DISTANCE FROM UNIT (mi.)
AMBER NE WEL JF 3H	34081208690000	11,670	8/19/2021	14
AMBER NW WEL JF 1H	34081208670000	12,756	8/19/2021	14
AMBER SE WEL JF 4H	34081208790000	15,013	8/19/2021	14
AMBER SW WEL JF 2H	34081208680000	16,504	8/19/2021	13
ATLAS NW WEL JF 1H	34081209490000	11,441	12/1/2022	11
ATLAS NW WEL JF 3H	34081209500000	12,181	12/1/2022	11
BLESSED E RCH BL 7H	34013213010000	12,596	3/9/2020	3
BLESSED E RCH BL 9H	34013213020000	12,441	3/7/2020	3
BLESSED N RCH BL 5H	34013213000000	13,334	3/7/2020	3
BLESSED W RCH BL 3H	34013212990000	13,334	3/9/2020	3
BOROVICH W RCH BL 1H	34013211500000	11,540	11/29/2017	3
BOROVICH W RCH BL 3H	34013211700000	11,652	11/29/2017	2
CECELIA SE WEL JF 6H	34081208420000	11,013	4/8/2020	12
CECELIA SE WEL JF 8H	34081208390000	11,013	4/8/2020	12
CECELIA SW WEL JF 2H	34081208400000	10,671	4/8/2020	12
CECELIA SW WEL JF 4H	34081208410000	11,018	4/9/2020	12
CESARIO N MTP JF 3H	34081208640000	18,255	2/12/2021	8
CESARIO NE MTP JF 5H	34081208650000	18,083	2/12/2021	8
COFFIELD E RCH BL 6H	34013213340000	17,831	3/4/2021	2
COFFIELD S RCH BL 4H-A	34013213640000	17,381	3/4/2021	2
COFFIELD SE RCH BL 8H	34013213080000	14,309	3/4/2021	2
COLEMAN RCH BL 1H	34013210300000	9,364	8/10/2016	3
CREAMER WRN JF 2H	34081208060000	8,750	10/2/2019	10
CREAMER WRN JF 4H	34081208050000	8,723	10/2/2019	10
DOYEN NE WEL JF 3H	34081208860000	14,498	7/28/2021	13
DOYEN NW WEL JF 1H	34081208890000	15,543	7/25/2021	13
DOYEN SE WEL JF 4H	34081208880000	17,206	7/26/2021	13
DOYEN SW WEL JF 2H	34081208870000	17,905	7/25/2021	13
EARLEY-ROSE CLR BL 10H	34013210950000	10,078	5/31/2017	1
EARLEY-ROSE CLR BL 8H	34013210990000	10,539	8/5/2018	1
FALDOWSKI SE SMF JF 6H	34081207950000	10,671	6/10/2019	7
FALDOWSKI SW SMF JF 2H	34081207880000	10,143	6/10/2019	7
FERGUSON NE SMF JF 5H	34081207100000	9,431	5/17/2018	10
FERGUSON NE SMF JF 7H	34081207110000	10,429	5/17/2018	10
FINNEY PES BL 1H	34013209380000	8,675	1/25/2017	6
FLEAGANE SE PLT BL 6H	34013214880000	11,143	11/21/2021	4
FLEAGANE SE PLT BL 8H	34013214890000	11,382	11/21/2021	4
FLEAGANE SW PLT BL 4H	34013214870000	10,730	11/21/2021	4
GABRIEL NW WEL JF 1H	34081209230000	13,078	4/1/2022	13
GABRIEL SE WEL JF 4H	34081209260000	23,096	5/1/2022	13
GABRIEL SW WEL JF 2H	34081209240000	23,700	5/1/2022	13
HARR E MTP JF 4H	34081207560000	8,020	4/6/2019	7
HARR E MTP JF 5H	34081207020000	8,503	1/3/2018	7
HARR W MTP JF 1H	34081207040000	10,429	1/4/2018	7
HARR W MTP JF 3H	34081207030000	9,728	1/4/2018	10
HENDERSON E RCH BL 6H	34013214340000	15,187	3/30/2020	4
HENDERSON W RCH BL 2H	34013214360000	13,601	3/30/2020	4



HENDERSON W RCH BL 4H	34013214350000	14,658	3/30/2020	4
HOWELL 33 NE SMF JF 5H	34081208350000	8,401	2/22/2020	9
HOWELL 33 NW SMF JF 1H	34081208330000	8,191	2/22/2020	9
HOWELL 33 NW SMF JF 3H	34081208340000	8,402	2/21/2020	9
HOWELL 33 S SMF JF 6H	34081208720000	11,207	6/19/2021	9
HOWELL 33 SE SMF JF 8H	34081208730000	11,229	6/19/2021	9
HOWELL 33 SW SMF JF 4H	34081208710000	11,030	6/19/2021	9
KELPIE NW WEL JF 1H	34081209060000	16,645	6/1/2022	13
KELPIE SW WEL JF 2H	34081209080000	18,534	6/1/2022	13
KRINKE MTP JF 2H	34081205720000	8,971	7/12/2017	5
KRINKE MTP JF 4H	34081205730000	8,780	7/11/2017	5
LEE CLR BL 2H	34013210840000	5,905	9/24/2018	2
LEE CLR BL 4H	34013210870000	7,178	9/24/2018	2
LEE CLR BL 6H	34013210590000	6,969	5/31/2017	2
LORI SE SMF JF 6H	34081207910000	11,013	6/15/2019	9
LORI SE SMF JF 8H	34081207920000	10,491	6/12/2019	9
LORI SW SMF JF 2H	34081207890000	9,729	6/15/2019	9
LORI SW SMF JF 4H	34081207900000	9,730	6/15/2019	9
LORRAINE CLR BL 2H	34013210800000	8,671	5/31/2017	2
LORRAINE CLR BL 4H	34013210980000	9,198	8/5/2018	2
LORRAINE CLR BL 6H	34013211000000	9,301	8/5/2018	2
OLIVER SE CLR BL 6H	34013210940000	11,049	8/19/2017	5
OLIVER SE CLR BL 8H	34013211930000	9,150	8/25/2017	5
OLIVER SW CLR BL 2H	34013211030000	7,718	8/19/2017	5
OLIVER SW CLR BL 4H	34013210930000	10,599	8/28/2017	5
POL PES BL 1H	34013208930100	7,382	1/24/2017	6
POL PES BL 3H	34013208940000	7,361	1/29/2017	6
POL PES BL 5H	34013208950000	7,055	1/30/2017	6
SATORI SW WEL JF 2H	34081209330000	13,704	7/21/2022	12
SEABRIGHT CLR BL 2H-A	34013211340000	8,623	6/9/2017	3
SEABRIGHT CLR BL 4H	34013210830000	8,729	6/9/2017	3
SEABRIGHT CLR BL 6H	34013210820000	8,616	6/9/2017	3
SEABRIGHT N CLR BL 3H	34013215130000	6,590	10/16/2022	3
SEABRIGHT N CLR BL 1H	34013215120000	13,476	10/16/2022	3
SMITH NE CLR BL 5H	34013214010000	10,258	4/8/2020	3
THEAKER E CLR BL 3H	34013213290000	9,900	9/24/2018	2
THEAKER E CLR BL 5H	34013213300000	10,131	9/27/2018	2
THEAKER W CLR BL 1H	34013213280000	8,545	9/26/2018	2
WILMA E WRN JF 5H	34081206660000	9,075	10/3/2017	8
WILMA W WRN JF 1H	34081206640000	8,854	10/3/2017	8
WILMA W WRN JF 3H	34081206650000	8,822	10/3/2017	8
WISE SE PLT BL 6H	34013215080000	10,438	7/1/2022	5
WISE SE PLT BL 8H	34013215090000	10,033	7/1/2022	5
ZIMNOX E WEL JF 8H	34081208850000	10,968	5/31/2021	14
ZIMNOX S WEL JF 4H	34081208830000	13,356	5/31/2021	14
ZIMNOX SE WEL JF 6H	34081208840000	11,847	5/31/2021	14
ZIMNOX SW WEL JF 2H	34081208820000	14,839	5/31/2021	14