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 Expand Operating, LLC for Unit Operation	:	Application Date: February 24, 2026
McFrederick E UP Unit	:	

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UNITIZATION APPLICATION HEARING

- - - - -

Before Hearing Host Cynthia Marshall
All Parties Appearing Remotely
April 22, 2026, 4:00 p.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 EXPAND OPERATING, LLC:

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

ALSO PRESENT:

Casey Valentine, Esq. (Via videoconference)
Joshua Newman (Via videoconference)
Sherril Smith (Via videoconference)
Cory Cosby (Via videoconference)

I N D E X

Witnesses	Page
Gray Barghols	
Mr. Hylton - Direct	11
Ms. Barrett - Cross	21
Kevin Wolfe	
Mr. Hylton - Direct	22
Michelle Huddleston	
Mr. Hylton - Direct	29
Ms. Barrett - Cross	34

I N D E X

Exhibits	Page
Exhibit D - Unit Map	12
Exhibit E - Cross-section Map	25
Exhibit F - Location Map	24

(PDF exhibits attached to the transcript.)

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P R O C E E D I N G S

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MS. MARSHALL: Good afternoon. 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, 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 McFrederick E UP unit. I would also like this information from anyone who represents any of these persons. We will make note of your name and call upon you when it is time for comments.

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

Hearing none.

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

Hearing none.

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

Ms. Barrett.

MS. BARRETT: Thank you and good afternoon. Today is Wednesday, April 22nd, 2026, and we're here on the matter of the application of Expand Operating, LLC, for unit operation of the McFrederick E UP unit. This hearing before the Ohio Department of Natural Resources, Division of Oil and Gas Resources Management is convened pursuant to Ohio Revised Code Section 1509.28.

My name is Jennifer Barrett, and I'm the Acting Assistant Chief for the Division. Also with me today is Program Administrator Cynthia Marshall. We are conducting the hearing today and serve as the Chief's designees on this matter.

On February 24th, 2026, Expand filed with the Division an application for unit operations for a unit designated as the McFrederick E UP unit. Expand filed subsequent revisions to the application. The unit is proposed to be located in Belmont County, Ohio. In its application, Expand claims to have the mineral rights through voluntary agreements to approximately 864.567 acres of the desired approximate 869.064-acre unit.

The purpose of today's hearing is to determine whether Expand's McFrederick E UP unit application meets all of the requirements of Revised Code Section 1509.28. Under that section, the Chief of the Division must issue an order if he determines that the Applicant has shown that, one, the unit is reasonably necessary to increase substantially the ultimate recovery of oil and gas; and two, the estimated additional recovery

from the unit exceeds the additional cost.

Neither the Chief nor any of us here today have made any decisions on Expand's application. After today's hearing, we will review all of the information provided to us in order to make a determination. We have a court reporter present as well, and we will have a copy of the transcript of this hearing for review.

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

The hearing will proceed as follows: Expand will present its witnesses and exhibits and will answer questions posed by the Division staff. Then any unleased mineral owners, working interest owners, and those persons with property included in the proposed McFrederick E UP unit will have the opportunity to present questions and concerns

to the Division staff. And then the Division staff may take a break to determine if there are any additional questions for the Applicant.

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

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

MR. HYLTON: Thank you, Ms. Barrett.

Good afternoon. My name is Mark Hylton, and I'm an attorney with the law firm of Vorys, Sater, Seymour and Pease. And I'm representing the Applicant, Expand Operating, LLC, in its request for a unit order that would authorize the development of its proposed McFrederick E UP unit consistent with the terms of the unit plan attached to its application.

An affiliate of the Applicant has

acquired oil and gas leases covering over 99 percent of the unit's acreage. The Applicant plans to develop the unit area by drilling two wells from a well pad located just outside the southeast corner of the unit.

Expand is requesting a unit order because there is an unleased tract in the unit, as well as tracts that are leased to non-consenting working interest owners.

This afternoon, three witnesses will be testifying in support of the application: Gray Barghols, Kevin Wolfe, and Michelle Huddleston.

Their collective testimony will establish that Expand meets each of the elements required for a unit order under Revised Code Section 1509.28.

We ask the Division to approve the application, including the unit plan, and issue a unit order for the McFrederick E UP unit.

I would like to call our first witness now, Gray Barghols.

MS. MARSHALL: Please swear in the witness.

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GRAY BARGHOLS

being first duly sworn, testifies and says as follows:

DIRECT EXAMINATION

BY MR. HYLTON:

Q. How are you, Mr. Barghols?

A. Doing well. Good to see you again.

Q. Yep, you too. Could you please introduce yourself to the Division and describe your educational and professional background.

A. Of course. Again, my name is Gray Barghols. I'm a staff landman here at Expand. I'm a 2017 graduate of the University of Oklahoma's Price College of Business with a Bachelor of Business Administration in Energy Management.

I've been with Expand working their Ohio assets as part of the Southwest Appalachian team since June of last year. Prior to that, I was with Apache Corporation for eight years, working Texas assets out of the Delaware Basin.

Q. Are you a member of any relevant professional associations, Mr. Barghols?

A. Yes, I am. The American Association of Professional Landmen.

Q. What are some of the tasks that you do at Expand on a frequent basis?

A. I'm tasked with managing our leasing program, overseeing abstracting and titling activities, as well as negotiating and securing all contracts necessary to form horizontal drilling units.

Q. You are in charge of overseeing the unitization efforts for the subject unit; is that right?

A. Yes, it is.

Q. Would you please tell us a little bit about the unit, including Expand's proposed development plan?

A. Of course. The McFrederick E UP unit is proposed to be an 869-acre unit located in Wayne and Somerset Townships of Belmont County, Ohio.

That proposed unit is set to house two Utica-Point Pleasant wells, being the McFrederick E UP BLT 3H A and 5H A wells, drilled in a northwesterly direction from the gray well pad you

see in the exhibit here on the screen.

Q. While the Applicant here is Expand Operating, LLC, the consenting working interest is owned by Expand Appalachia, LLC. Are those affiliated entities?

A. They are. They are affiliates under the Expand Energy umbrella. Expand Operating is the entity we use for regulatory hearings as well as permitting activities. But all of our record-title ownership is held in Expand Appalachia, LLC, which aids us in siloing our Appalachian interests from other regions that our company operates in, such as the Haynesville.

So Expand Appalachia, LLC, which shows up in some of the exhibits where our leasehold interest is held, and Expand Operating, LLC, the Applicant, are affiliates of one another under the Expand Energy umbrella.

Q. Thank you, Mr. Barghols. What percentage of the unit's acreage has been leased to Expand Appalachia, LLC?

A. Approximately 99 percent.

Q. And for the one partially unleased tract here in the northeast corner of the unit,

have you attempted to negotiate an oil and gas lease with the unleased mineral owners?

A. Yes, we have.

Q. Have you also attempted to enter into an agreement with the non-consenting working unit owners in the unit?

A. Yes, we have.

Q. Will you continue negotiations with these parties after the hearing today?

A. We will.

Q. Would you please tell us what the current status of the well pad is?

A. The well pad has already been constructed.

Q. And would you please tell us what rights were obtained by Expand to allow the construction at the location shown here with the gray square?

A. Yes. Expand has secured agreements with the surface owners of the pad parcels.

Q. If the unit order is issued, when does Expand currently intend to drill the two wells?

A. That will be in the fourth quarter of this year, 2026.

Q. Mr. Barghols, are you familiar with the unit plan that was attached to the application, including the operating agreement?
A. Yes, I am.
Q. Under the unit plan, how are the unit's production and costs to be allocated?
A. Those costs are allocated on a surface acre basis.
Q. Is surface acre basis a common method in your experience?
A. Yes, it is.
Q. Which parties are responsible for paying the unit costs?
A. The responsible parties are participating working interest owners.
Q. Does the operating agreement have a non-consent penalty for any non-participating working interest owners?
A. Yes, it does. That penalty is 500 percent.
Q. Do you believe that is a reasonable percentage given your experience in the industry and in Ohio?
A. I do believe it's reasonable. That 500

percent is consistent with what I see in voluntary joint operating agreements in the area. Along those lines, it's my belief that a statutory JOA should not carry a lighter penalty than a voluntary JOA, as that may discourage parties in the region from entering into voluntary agreements.

Q. Thank you very much, Mr. Barghols.

MR. HYLTON: I have no further questions for you.

MS. MARSHALL: Thank you.

Mr. Barghols, I have a couple of questions. Describe what efforts you have taken to identify unknown and undetermined mineral owners?

THE WITNESS: When searching for unknown owners, we utilize online records in an attempt to track down phone numbers and last known addresses. We also utilize public records in neighboring and nearby counties to locate the same.

MS. MARSHALL: If you were to receive a unitization order, can you describe what happens to any payments that will be owed to unknown or

undetermined mineral owners under that order?

THE WITNESS: Yes. Those payments owed to unknown entities are held in a holding account.

MS. MARSHALL: What is the current average outstanding offer to the unleased mineral owners in the proposed unit? Average bonus and average royalty.

THE WITNESS: The average outstanding offer is $1,500 per net acre bonus, and 18 percent royalty.

MS. MARSHALL: Is that average royalty based on a net or gross amount?

THE WITNESS: It's a mixture of both. Gross versus net royalties are a negotiable point in our lease form.

MS. MARSHALL: Do those offers include surface use?

THE WITNESS: There is likely a mixture in there. Again, another negotiable point in our lease form.

MS. MARSHALL: When will those offers expire?

THE WITNESS: There is no set expiration date for those lease offers. We plan

to keep them open through this hearing and even after, should we be successful in getting a unit order for the McFrederick E UP unit.

MS. MARSHALL: What is the average offer that was accepted by the leased mineral owners in the proposed unit? Average bonus and average royalty.

THE WITNESS: The average accepted offer is $8,500 per net acre bonus, and 19 percent royalty in this unit.

MS. MARSHALL: Can you please explain the difference between the current offer and average accepted offers?

THE WITNESS: Sure. When we initially began our leasing endeavor here in this area and in this unit in particular, it became a hotly contested and highly competitive leasing area, commanding high bonus figures. We also had some folks that were willing to take a higher bonus in exchange for lower royalty rates.

If you compare that with the current bonus, one glaring difference is that the initial leases were likely taken on longer term. So five-year terms versus the current outstanding

lease offers are likely on a one-year term, just because of the development timing and knowing the development here is imminent. So longer term commands higher bonus.

MS. MARSHALL: Do you believe your lease attempts have been reasonable? And if so, why?

THE WITNESS: I do. I think that is further evidenced in our contact logs, which were submitted with our initial application and then supplemented prior to today's hearing. But I also think, Expand having over 99 percent of the unit leased shows that we were very diligent in our leasing efforts here.

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

THE WITNESS: Yes, we will. Both after the hearing and after a potential unit order is issued.

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

THE WITNESS: Yes, I do. Again, our contact log should shed a little more light on the lengths we have gone to and how we've communicated with those parties. And those have been updated throughout the process.

MS. MARSHALL: Will you continue your attempts to commit non-consenting working interest owners after today's hearing?

THE WITNESS: Yes, we will.

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

THE WITNESS: Yes, they do.

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

THE WITNESS: Well, first I would say, it is largely a product of the free market. But on the front end of any leasing activity, I circle up with our internal technical team, usually involving a geologist and a reservoir engineer, to have a better understanding of our potential development of a unit and resource that lies underneath, getting their input on how different

bonus figures and royalty burdens would impact our potential well economics.

Once I have a baseline from them, that's a jumping-off point for negotiations between lessor and lessee. And the way those conversations go is largely, again, determined by the free market.

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

Ms. Barrett, do you have any questions?

MS. BARRETT: Yes, just one.

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CROSS-EXAMINATION

MS. BARRETT:

Q. Could you please explain the reasoning for the shape of the unit at the northern end?

A. Yes. If you take a look at what has been navigated to now, the offset unit map, we took care to make sure we were matching up with all of the bounding units around us, specifically in this case, in that odd shape in the northwest corner. We made sure to not have any stranded acreage and that we were meeting up with the northern-boundary units and the western-boundary

unit there. So we just took care to make sure all of the acreage was included in producing units or potentially included in this last producing unit.

Q. Okay. Thank you.

MS. BARRETT: No further questions for me.

MS. MARSHALL: Thank you.

Mr. Hylton, please call your next witness.

MR. HYLTON: Thank you, Ms. Marshall. Our next witness is Kevin Wolfe.

MS. MARSHALL: Please swear in the witness.

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KEVIN WOLFE

being first duly sworn, testifies and says as follows:

DIRECT EXAMINATION

BY MR. HYLTON:

Q. Mr. Wolfe, I know you're a repeat guest here today, but I'm not going to let you off the hook. So please tell us who you are, and fill us in on your educational and professional history.

A. Okay. Once again, my name is Kevin

Wolfe. I'm a senior staff geologist with Expand Energy. I hold a Bachelor's in Geology from the College of Wooster and a Master's in Geology from the University of Illinois, Urbana-Champaign.

I have worked for oil and gas operators since 2008. Prior to Expand Energy, I worked for Grit Oil & Gas, Noble Energy, and EQT Production. Most of my experience is in the Appalachian Basin, although I've also worked the Rockies, the Permian, and the Maverick Basins.

Q. Do you belong to any relevant professional associations, Mr. Wolfe?

A. Yes. I'm a member of the American Association of Petroleum Geologists and the Houston Geological Society.

Q. Would you please tell us a bit about some of your general job responsibilities as a geologist?

A. Yeah. So in general, I'm tasked with evaluating and predicting the subsurface conditions that we will be encountering as we drill to our producing formations. I do that by mapping and predicting the rock properties of the underlying formations and providing that

information to our Drilling and Completions teams. In addition, I'm involved in the planning of the depths, the orientation, and the targeting of our horizontal wells.

Q. Could you please tell us what subsurface depths are included in the proposed unitized formation for this application?

A. The Utica and Point Pleasant.

Q. Would you also tell us how you would define the term "pool" in this role?

A. An accumulation -- a continuous accumulation of hydrocarbon within a reservoir.

Q. For your part in the preparation of the unitization application, I know you completed a subsurface evaluation for the subject unit. Would you explain for us what sort of information went into that evaluation?

A. Yeah. So I reviewed the offsetting vertical and horizontal wells, particularly looking for wireline logs. When wireline logs were present, I used core data from adjacent wells to predict the reservoir properties of our Utica and Point Pleasant in this area.

Q. Mr. Wolfe, I am presenting Exhibit F of

the application on the screen. Would you please describe this exhibit for us?

A. So in this exhibit, we depict two dots that are the surface location of a pair of wells that are representative of the Utica and Point Pleasant in this area. In addition, there is a black rectangle that is our McFrederick E UP unit shape and the location and relative position to those two vertical wells.

MR. HYLTON: I will flip to the next exhibit, Exhibit E, and turn things back to you. Please tell us what's going on in this exhibit and what this information means to you as a geologist?

Q. Okay. So I'm presenting a subset of the wireline-log data from those two previously mentioned wells. The three tracks that I'm presenting, on the far left is gamma ray, which is an indicator of lithology. On the far right is porosity, which is essentially how much space there is within the rocks to contain hydrocarbons. And then in blue, in the middle is resistivity, which gives us an indication of, when there is porosity, how much of the porosity is filled with hydrocarbons.

In addition, I've labeled in orange the top of the Utica; and red, the top of the Point Pleasant; and in purple, the top of the Trenton. The area that we're proposing to unitize would be the interval between the top of the Utica and top of the Trenton.

MR. HYLTON: Given everything that you have seen in your evaluation, including this log data, do you believe the unitized formation insofar as it underlies the subject unit is a pool or part of a larger pool?

A. Yes.

Q. Given the subsurface characteristics of the unitized formation that you are seeing, do you believe that a surface-acreage-based allocation of unit production expenses is appropriate?

A. Yes.

Q. Do you believe that the 500 percent non-consent penalty included in the operating agreement is just and reasonable? And if so, would you please tell us why?

A. Yes. So the 500 percent penalty for non-consent is to try to encourage potential working interest partners who would be able to

benefit financially from the drilling of these wells to participate equally in the risk of drilling these wells.

One of the things that we encounter as we're drilling these horizontals is varying geologic conditions that may increase our costs. One of the conditions that we have encountered previously, although very rarely, in Utica-Point Pleasant wells, is zones where there are either influxes of gas or losses of our drilling mud while drilling and remediating and continuing on for those wells. They experience a much higher capital cost when those conditions are encountered. And so our opinion is that, since our working interest partners would be benefiting financially, they should share in the risk.

Q. Thank you, Mr. Wolfe.

MR. HYLTON: I appreciate your time.

MS. MARSHALL: Mr. Wolfe, what is the anticipated true vertical depth of the horizontal portion of the wellbore?

THE WITNESS: So basically, I'm going to provide depths relative to the surface hole location. I would anticipate us targeting around

9,231 feet TVD.

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

THE WITNESS: Again, relative to surface hole location, I would anticipate the Utica being found at 9,073 feet, the Point Pleasant at 9,181 feet, and the Trenton should be around 9,294 feet, although we should not encounter that formation.

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

THE WITNESS: The vast majority of our production is going to come from the Point Pleasant. Hydrocarbons contained within the Utica would also be produced by a horizontal in this unit.

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

Ms. Barrett, do you have any questions?

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

MS. MARSHALL: Thank you.

Mr. Hylton, please call you next witness.

MR. HYLTON: Thank you, Ms. Marshall. Our last witness is Michelle Huddleston.

MS. MARSHALL: Please swear in the witness.

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MICHELLE HUDDLESTON

being first duly sworn, testifies and says as follows:

DIRECT EXAMINATION

BY MR. HYLTON:

Q. Hello, Ms. Huddleston. How are you?

A. Hi. Good, thanks.

Q. Could you please introduce yourself to the Division and tell them about your educational and professional background?

A. Yes. My name is Michelle Huddleston. I'm a staff reservoir engineer at Expand Energy. I have my bachelor's degree in Petroleum Engineering from Texas A&M. I have 14 years of experience in oil and gas, and 12 of those years have been in reservoir engineering.

Q. Are you a member of any relevant professional associations?

A. The Society of Petroleum Engineers.

Q. What are some of your typical job responsibilities at Expand?
A. I am responsible for the development planning and economic evaluations of Marcellus and Utica wells in Ohio state. I estimate ultimate recoveries for undeveloped wells, as well as maintain forecasts for existing producing wells.
Q. Did you estimate the recoveries for the two unit wells in this unit, for both a unitized operating scenario and a non-unitized operating scenario?
A. Yes, I did.
Q. How did you do that?
A. I analyzed production data from nearby wells and created a production type curve on a per lateral length basis and then used that type curve for the economics of the lateral length in question.
Q. Thank you, Ms. Huddleston. I'd like to focus now on the economic calculation summaries exhibit and, kind of, just go top to bottom on the tables. Starting with the top table, which represents the unitized operating scenario, what is the estimated recovery here?

A. 43.6 BCFe.
Q. Going down to the "non-unitized" table, what's the estimated non-unitized recovery?
A. 26.9 BCFe.
Q. That takes us to the bottom table. Could you tell us the difference in recovery between those two operating scenarios?
A. 16.7 BCFe.
Q. Do you believe 16.7 BCFe is a substantial amount of production?
A. Yes, I do.
Q. Given that, is the unit order reasonably necessary to substantially increase the recovery from this unit?
A. Yes, it is.
Q. What is the anticipated value of the 16.7 BCFe?
A. $9.7 million in PV10.
Q. Given that that number is positive and also a large positive number, does the value of the estimated additional recovery exceed the estimated additional cost needed to produce it?
A. Yes.
Q. And both of your colleagues talked a

little bit about the non-consent penalty mentioned in the operating agreement. Do you believe that is a reasonable non-consent penalty? And if so, would you tell us why?

A. Yes. In addition to what Mr. Wolfe described about the capital risks, the working interest parties also have to bear risk in terms of commodity prices and well performance risk.

Q. Thank you, Ms. Huddleston.

MR. HYLTON: Nothing further for me.

MS. MARSHALL: Ms. Huddleston, I have a few questions. What is the estimated economic life of the wells in years?

THE WITNESS: For the 3H, it's 48 years; and for the 5H, it's 47 years.

MS. MARSHALL: What price was used in your economic calculations?

THE WITNESS: $3.50 flat.

MS. MARSHALL: When do you estimate you will recover the costs of drilling, testing, and completing the wells at one time, one-and-a-half times, two times, and three times?

THE WITNESS: At one time, for both of the wells, it's about two-and-a-half years. For

1.5 times, it's 3.4 years for both of the wells. For two times, it's around five-and-a-half years. And then three times, the 3H is 23 years. And the 5H is 21 years.

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

THE WITNESS: Ten total wells will be on the pad. Five are existing, and then this trip is five additional wells.

MS. MARSHALL: Have you factored in costs for shutdowns of the existing wells due to simultaneous operations? If no, why not?

THE WITNESS: No. Because those will be captured -- those costs will be allocated and captured on those existing wells.

MS. MARSHALL: How are pad costs accounted for in your calculations?

THE WITNESS: They were not. The pad costs were assumed to be zero since the pad was already built when we drilled the first set of five wells.

MS. MARSHALL: Did you use actual pad costs or estimated pad costs in your economics?

THE WITNESS: I didn't use pad costs in

the economics.

MS. MARSHALL: Okay. What amount was included for plugging and restoration costs in your economic calculations per well?

THE WITNESS: $275,000 per well.

MS. MARSHALL: What is the estimated BCFe per 1,000 feet?

THE WITNESS: 1.5 BCFe per 1,000 feet.

MS. MARSHALL: What is the estimated recovery factor in the area?

THE WITNESS: 30 to 40 percent.

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

Ms. Barrett, do you have any questions?

MS. BARRETT: Yes, I do.

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CROSS-EXAMINATION

BY MS. BARRETT:

Q. How did you arrive at the economic life of the wells?

A. The economic life is calculated when the revenue of the well no longer exceeds the costs and LOE to produce the well.

Q. How did you determine the price that

was used in your calculations?

A. Yeah. That was the price deck that we used at the time internally to evaluate projects and economics.

Q. Okay. Thank you.

MS. BARRETT: No further questions for me.

MS. MARSHALL: Once again, if you would like to make comments, I'm going to first take all of your names and note whether you are an unleased mineral owner, working interest owner, or an owner with property in the unit.

Only one person may speak at a time to properly record the hearing, and please mute your microphone once you have delivered your comments or questions to avoid any feedback. Additionally, anyone speaking today will be asked to provide their information to the court reporter. If you are uncomfortable speaking during the hearing, we will also accept written comments.

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

Hearing none.

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

Hearing none.

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

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

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

MR. HYLTON: We don't. We really appreciate all your time this afternoon.

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

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Thereupon, the foregoing proceedings concluded at 4:34 p.m.

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

I, Bridget Mary Hoye, a Notary Public in and for the State of Ohio, do hereby certify that I transcribed or supervised the transcription of the audio recording of the aforementioned proceedings; that the foregoing is a true record of the proceedings.

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

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of office at Columbus, Ohio, on May 11, 2026.



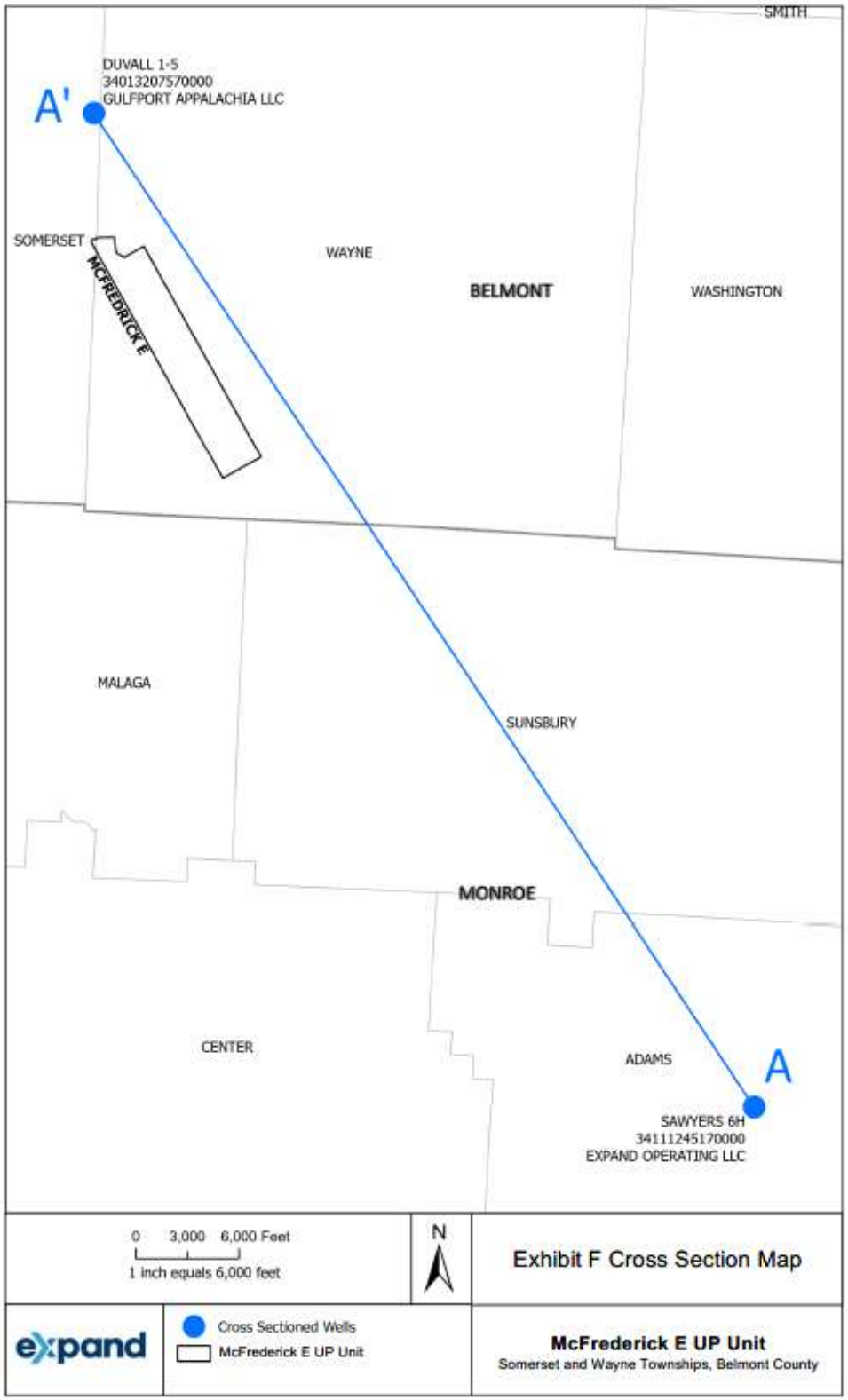
Bridget Mary Hoye, Notary Public - State of Ohio
My commission expires April 14, 2030.

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

EXPAND OPERATING LLC

MCFREDERICK E UP UNIT

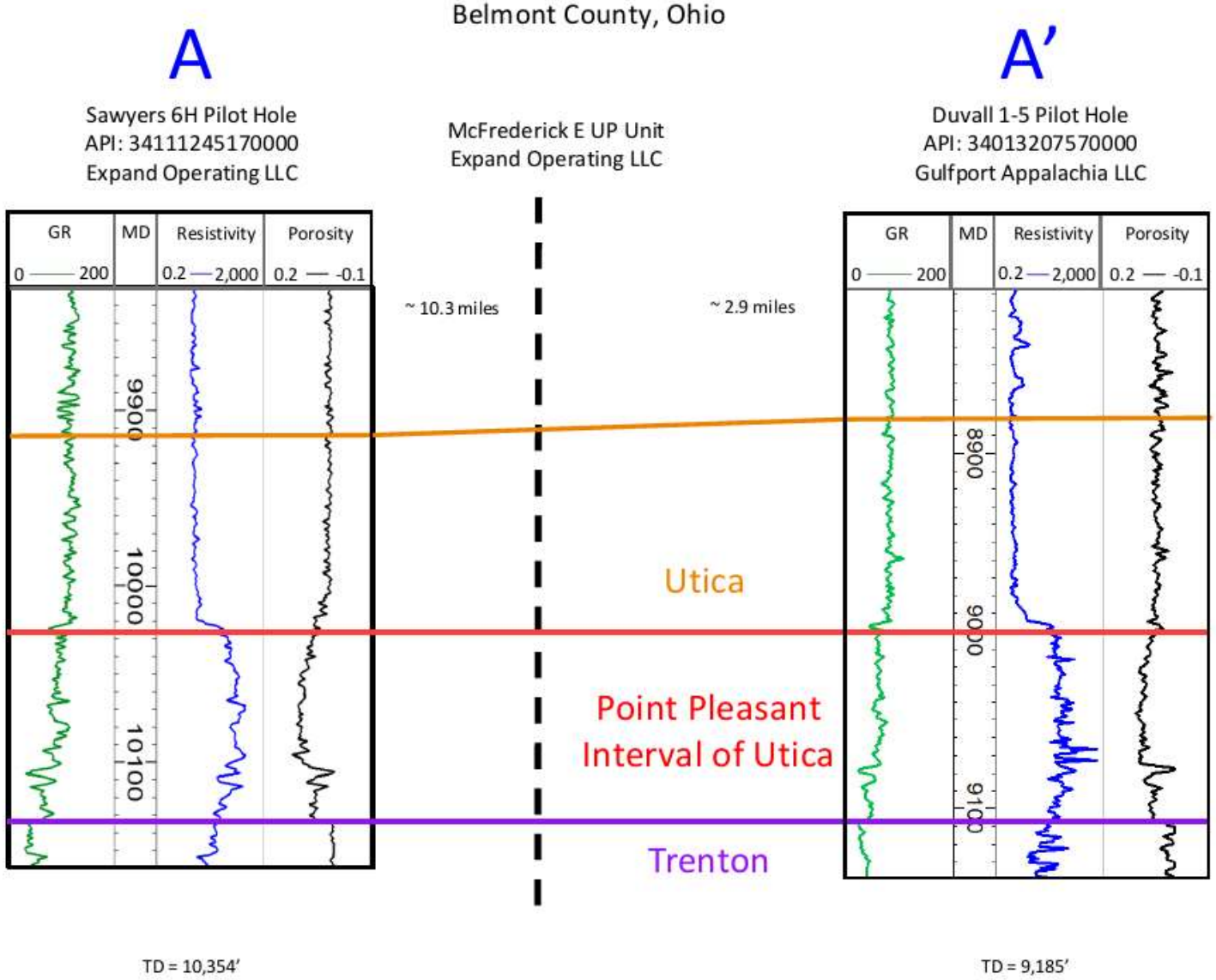
Application for Unit Operations

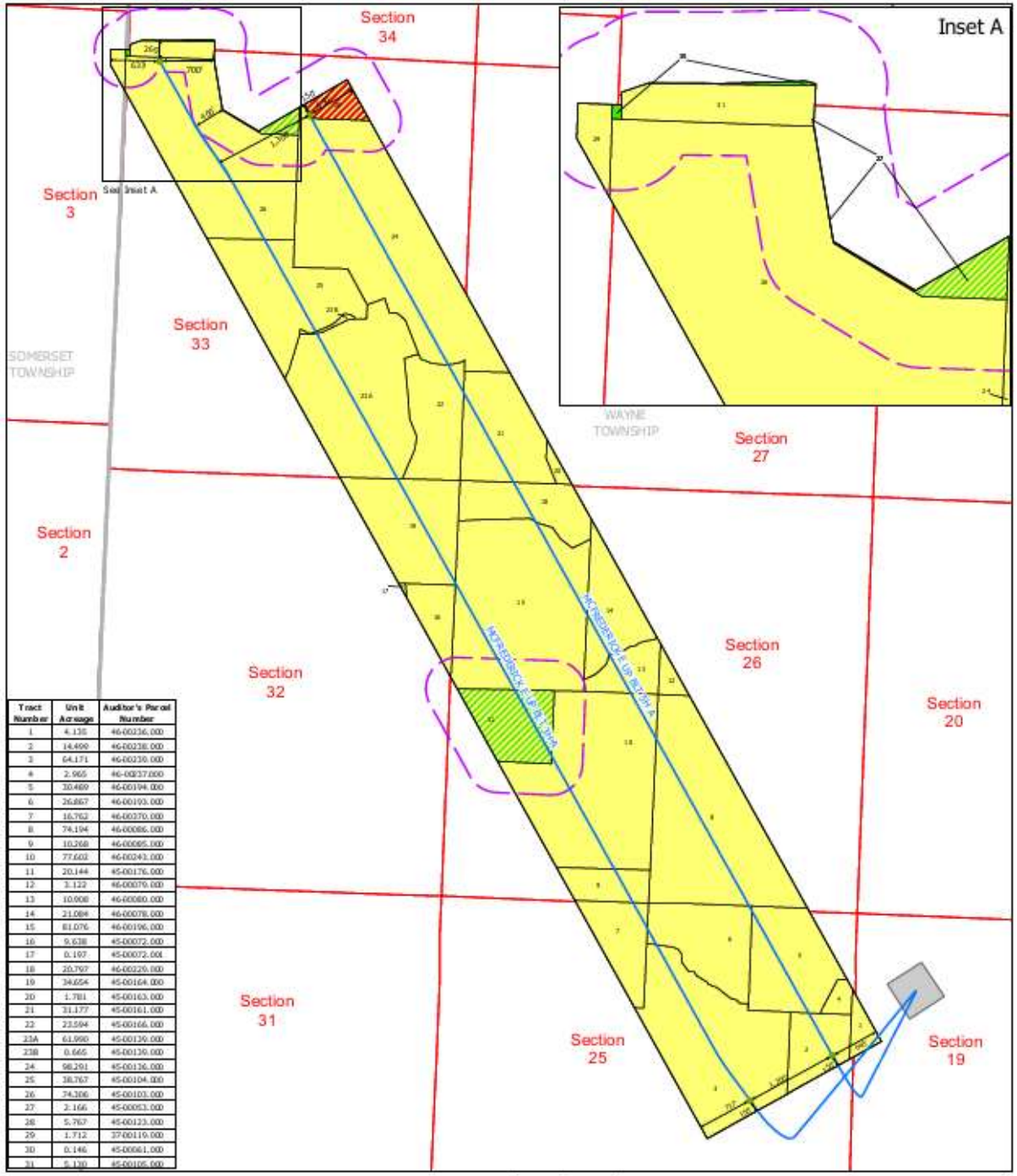

SMITH
DUVALL 1-5
34013207570000
GULFPORT APPALACHIA LLC
A'
SOMERSET
WAYNE
BELMONT
WASHINGTON
MCFREDRICK E
MALAGA
SUNSBURY
MONROE
CENTER
ADAMS
A
SAWYERS 6H
34111245170000
EXPAND OPERATING LLC
0 3,000 6,000 Feet
1 inch equals 6,000 feet
N
Exhibit F Cross Section Map
Cross Sectioned Wells
McFrederick E UP Unit
McFrederick E UP Unit
Somerset and Wayne Townships, Belmont County

Geologic Cross-Section

Exhibit E – McFrederick E UP Unit

Belmont County, Ohio





Tract Number	Unit Acreage	Auditor's Parcel Number
1	4.135	46-00236.000
2	14.490	46-00238.000
3	64.171	46-00230.000
4	2.965	46-00237.000
5	20.469	46-00194.000
6	26.867	46-00193.000
7	16.762	46-00270.000
8	74.194	46-00086.000
9	10.268	46-00085.000
10	77.602	46-00243.000
11	20.144	45-00176.000
12	3.122	46-00079.000
13	10.008	46-00080.000
14	21.089	46-00078.000
15	81.076	46-00196.000
16	9.638	45-00072.000
17	0.197	45-00072.001
18	20.797	46-00226.000
19	34.654	45-00164.000
20	1.781	45-00163.000
21	31.177	45-00161.000
22	23.594	45-00166.000
23A	61.990	45-00139.000
23B	0.665	45-00138.000
24	98.291	45-00136.000
25	38.767	45-00104.000
26	74.206	45-00103.000
27	2.166	45-00053.000
28	5.767	45-00123.000
29	1.712	37-00119.000
30	0.146	45-00061.000
31	5.120	45-00105.000

0 1,500 3,000 Feet 1 inch = 1,600 feet

Wellbore
Perforation
400 Ft Buffer
Unit Boundary
Well Pad
Consenting
Partial Consenting/Non-Consenting
Partial Consenting/Unleased
Non-Consenting

EXHIBIT D
McFrederick E UP Unit
Unit Size: 869.064 Acres
Somerset and Wayne Townships, Belmont County OH

Section 5. Economic Calculation Summaries *Required*

Unitized Scenario

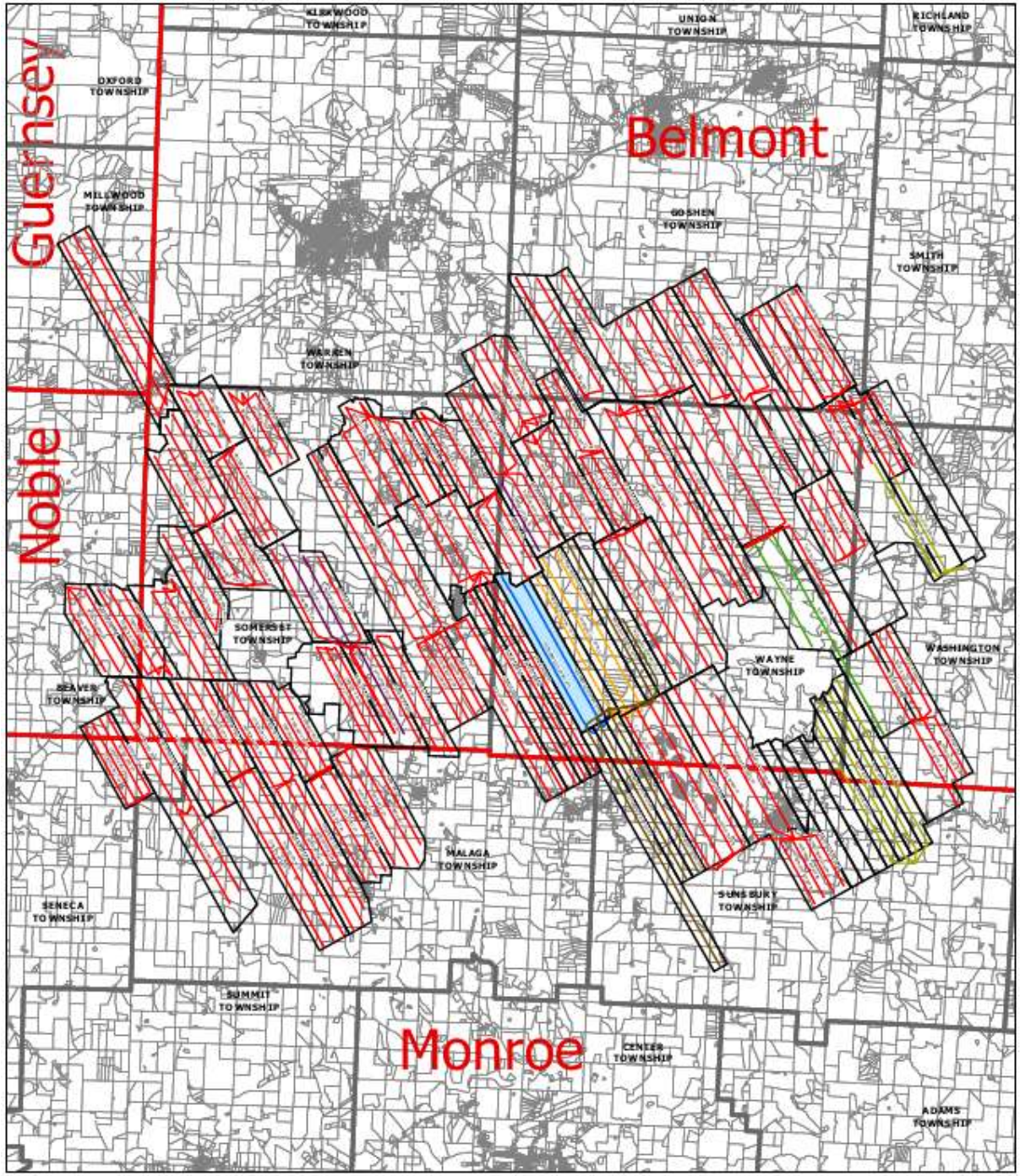
Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MM$)	Capital Costs (MM$)	Undiscounted Value of Estimated Recovery (MM$)	PV0 (MM$)	PV10 (MM$)	Estimated Gross Recovery (BCFe)
McFrederick E UP BLT 3H A	15,280	25,415	$8.7	$15.2	$42.4	$17.4	$6.2	23.0
McFrederick E UP BLT 5H A	13,773	23,568	$8.0	$13.4	$38.1	$15.7	$5.8	20.6
Total:	29,053	48,983	$16.7	$28.6	$80.5	$33.1	$12.0	43.6

Non-Unitized Scenario

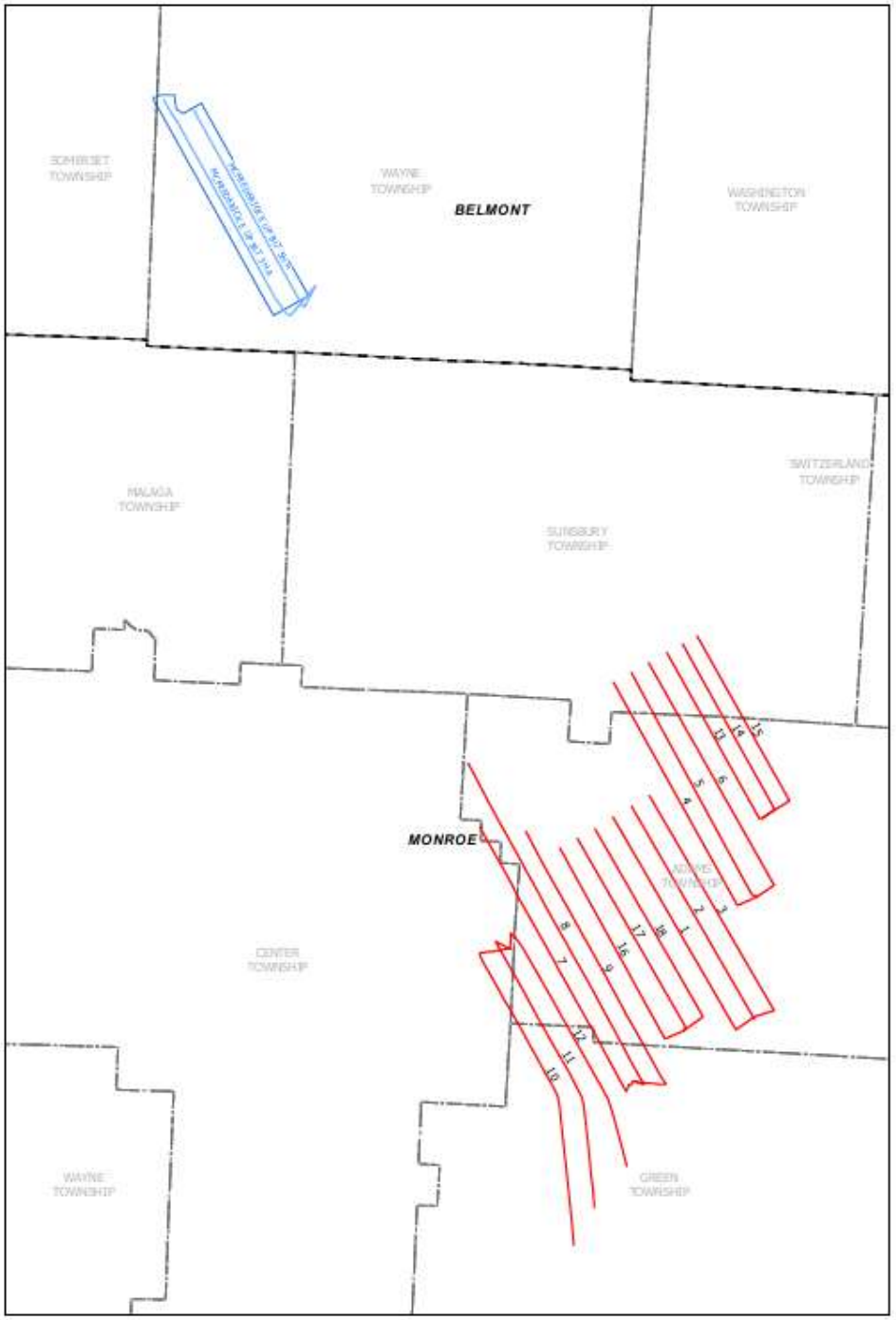
Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MM$)	Capital Costs (MM$)	Undiscounted Value of Estimated Recovery (MM$)	PV0 (MM$)	PV10 (MM$)	Estimated Gross Recovery (BCFe)
McFrederick E UP BLT 3H A	4,615	15,140	$4.9	$9.5	$12.8	$(2.0)	$(3.0)	7.0
McFrederick E UP BLT 5H A	13,271	23,568	$7.8	$13.2	$36.7	$14.7	$5.3	19.9
Total:	17,886	38,708	$12.7	$22.7	$49.5	$12.7	$2.3	26.9

Difference

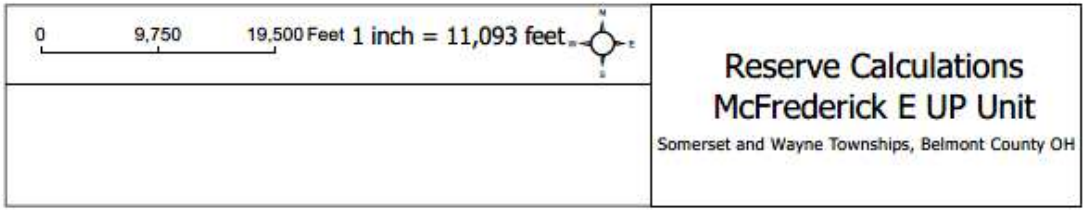
Well Name	Lateral Length (ft)	Measured Depth (ft)	Operating Costs (MM$)	Capital Costs (MM$)	Undiscounted Value of Estimated Recovery (MM$)	PV0 (MM$)	PV10 (MM$)	Estimated Gross Recovery (BCFe)
McFrederick E UP BLT 3H A	10,665	10,275	$3.8	$5.7	$29.6	$19.4	$9.2	16.0
McFrederick E UP BLT 5H A	502	0	$0.2	$0.2	$1.4	$1.0	$0.5	0.7
Total:	11,167	10,275	$4.0	$5.9	$31.0	$20.4	$9.7	16.7



Adjacent Units Map
McFrederick E UP Unit
Unit Size: 869.064 Acres
Somerset and Wayne Townships, Belmont County OH


SOMERSET TOWNSHIP
WAYNE TOWNSHIP
BELMONT
WASHINGTON TOWNSHIP
MALAGA TOWNSHIP
SUNSBURY TOWNSHIP
SWITZERLAND TOWNSHIP
MONROE
ADAMS TOWNSHIP
CENTER TOWNSHIP
WAYNE TOWNSHIP
GREEN TOWNSHIP
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
0
6,200
12,400 Feet
1 inch = 7,000 feet
Township/District
Counties
Producing Wellbores
Planned Wellbores
Unit Boundary
Reserve Calculations
McFrederick E UP Unit
Somerset and Wayne Townships, Belmont County OH

Well Name	Well Identifier	First Production	API	Distance From Unit	Lateral Length
BLUEBONNET A UP MNR # 001H	1	2/19/2020	34111248840000	10.360143 mi	15,572 ft
BLUEBONNET B UP MNR # 003H	2	2/19/2020	34111248830000	10.363489 mi	15,566 ft
BLUEBONNET C UP MNR # 005H	3	2/19/2020	34111248850000	10.357399 mi	15,719 ft
CRAWFORD A UP MNR # 001H	4	9/27/2021	34111249250000	9.165179 mi	15,992 ft
CRAWFORD B UP MNR # 003H	5	9/27/2021	34111249240000	9.162046 mi	16,056 ft
CRAWFORD D UP MNR # 005H	6	9/27/2021	34111249220000	9.163152 mi	16,212 ft
EMERSON BELLE A UP MNR # 001H ST1	7	3/26/2024	34111249880100	10.411385 mi	22,597 ft
EMERSON BELLE B UP MNR # 003H	8	3/26/2024	34111249890000	10.413816 mi	22,757 ft
EMERSON BELLE C UP MNR # 005H ST1	9	3/26/2024	34111249900100	10.416266 mi	23,300 ft
HUFFMAN A UP MNR # 002H	10	5/11/2024	34111249950000	8.402722 mi	19,215 ft
HUFFMAN B UP MNR # 004H	11	5/11/2024	34111249960000	8.408366 mi	17,743 ft
HUFFMAN C UP MNR # 006H	12	6/20/2024	34111249940000	8.411113 mi	16,117 ft
ROTHENBUHLER D UP MNR # 001H	13	9/6/2022	34111249540000	8.432971 mi	12,029 ft
ROTHENBUHLER F UP MNR # 003H	14	9/6/2022	34111249520000	8.452748 mi	11,996 ft
ROTHENBUHLER F UP MNR # 005H	15	9/6/2022	34111249530000	8.447200 mi	11,943 ft
WILEY A UP MNR # 001H	16	6/2/2021	34111249190000	10.103396 mi	13,807 ft
WILEY B UP MNR # 003H	17	6/2/2021	34111249200000	10.101612 mi	13,804 ft
WILEY C UP MNR # 005H	18	6/2/2021	34111249210000	10.100189 mi	13,732 ft



Reserve Calculations
McFrederick E UP Unit
Somerset and Wayne Townships, Belmont County OH