



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, May 14, 2026
WELL WORK PERMIT
Horizontal 6A / New Drill

EXPAND OPERATING LLC
6100 N WESTERN AVE.

OKLAHOMA CITY, OK 73118

Re: Permit approval for Shannon Fields OHI 8H
47-069-00381-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

H. Jason Harmon
Acting Chief

Operator's Well Number: Shannon Fields OHI 8H
Farm Name: Expand Appalachia LLC
U.S. WELL NUMBER: 47-069-00381-00-00
Horizontal 6A New Drill
Date Issued: 5/14/2026

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

05/15/2026

WW-6B
(04/15)

API NO. 47-069 - _____
OPERATOR WELL NO. Shannon Fields OHI 8H
Well Pad Name: Shannon Fields OHI

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Expand Operating LLC 494533012 069-Ohio 005-Rich Wheeling
Operator ID County District Quadrangle

2) Operator's Well Number: Shannon Fields OHI 8H Well Pad Name: Shannon Fields OHI

3) Farm Name/Surface Owner: Expand Appalachia, LLC Public Road Access: Boggs Hill Road (County Route 15/1)

4) Elevation, current ground: 1236' Elevation, proposed post-construction: 1236'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow Deep _____
Horizontal
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6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Down-Dip well to the South, Target Top TVD- 6026', Target Base TVD- 6085', Anticipated Thickness- 59', Associated Pressure- 3236

8) Proposed Total Vertical Depth: 6234'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 28,994'

11) Proposed Horizontal Leg Length: 21,652.72'

12) Approximate Fresh Water Strata Depths: 351'

13) Method to Determine Fresh Water Depths: Depth reported from nearby well

14) Approximate Saltwater Depths: 601' salinity profile

15) Approximate Coal Seam Depths: 503'

16) Approximate Depth to Possible Void (coal mine, karst, other): Possible void at 503'

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

Strader Gower
03/31/2026

WW-6B
(04/15)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 8H
Well Pad Name: Shannon Fields OHI

18) **CASING AND TUBING PROGRAM**

| TYPE | <u>Size (in)</u> | <u>New or Used</u> | <u>Grade</u> | <u>Weight per ft. (lb/ft)</u> | <u>FOOTAGE: For Drilling (ft)</u> | <u>INTERVALS: Left in Well (ft)</u> | <u>CEMENT: Fill-up (Cu. Ft.)/CTS</u> |
|--------------|------------------|--------------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Conductor | 20" | New | J-55 | 94# | 136' | 136' | CTS |
| Fresh Water | 13 3/8" | New | J-55 | 54.4# | 530' | 530' | 606 sx/CTS |
| Coal | See | Surface | Casing | | | | |
| Intermediate | 9 5/8" | New | J-55 | 36# | 1928' | 1928' | 765 sx/CTS |
| Production | 5 1/2" | New | P-110 HP | 20# | 29,994' | 29,994' | Tail 5498sx/100' Inside Intermediate |
| Tubing | | | | | | | |
| Liners | | | | | | | |

| TYPE | <u>Size (in)</u> | <u>Wellbore Diameter (in)</u> | <u>Wall Thickness (in)</u> | <u>Burst Pressure (psi)</u> | <u>Anticipated Max. Internal Pressure (psi)</u> | <u>Cement Type</u> | <u>Cement Yield (cu. ft./k)</u> |
|--------------|------------------|-------------------------------|----------------------------|-----------------------------|---|--------------------|---------------------------------|
| Conductor | 20" | 30" | 0.25 | 2120 | 81 | Class A | 1.20/30% Excess |
| Fresh Water | 13 3/8" | 17.5" | 0.330 | 1730 | 633 | Class A | 1.20/30% Excess |
| Coal | see | surface | casing | | | | |
| Intermediate | 9 5/8" | 12 1/4" | 0.352 | 3520 | 1768 | Class A | 1.19/40% Excess |
| Production | 5 1/2" | 8 3/4"-8 1/2" | 0.361 | 14360 | 10500 | Class A | 1.19/10-15% Excess |
| Tubing | | | | | | | |
| Liners | | | | | | | |

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PACKERS

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| | | | | |
|-------------|--|--|--|--|
| Kind: | | | | |
| Sizes: | | | | |
| Depths Set: | | | | |

WW-6B
(10/14)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 8H
Well Pad Name: Shannon Fields OHI

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 20.94

22) Area to be disturbed for well pad only, less access road (acres): 17

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

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24) Describe all cement additives associated with each cement type:

See Attachment ***

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25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

*Note: Attach additional sheets as needed.

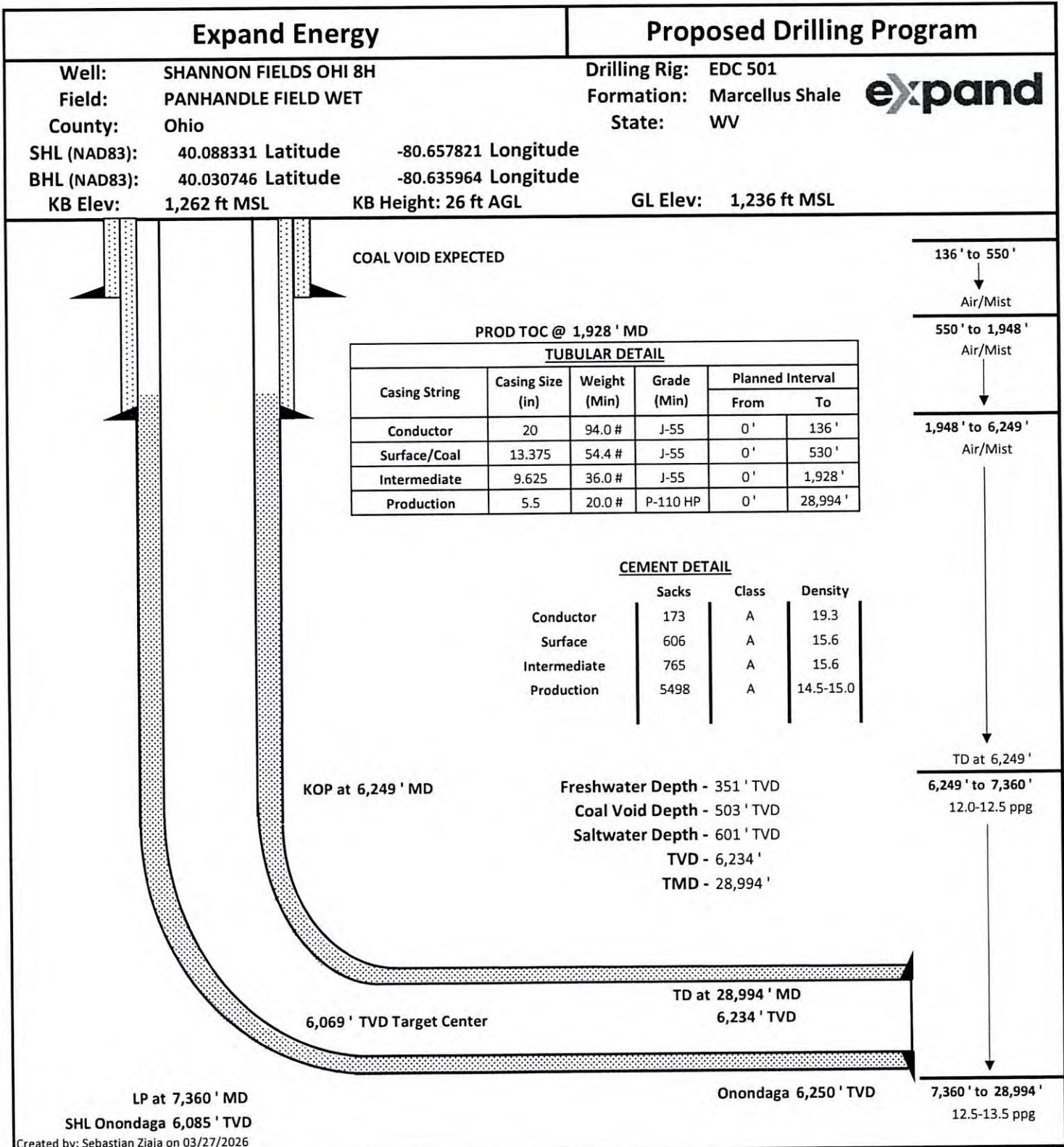
| CEMENT ADDITIVES | | | | | | |
|---|---------------------------|-----------------------|-----------------------|-----------------------------------|--------------------------------------|----------------------------------|
| INTERVAL | SCHLUMBERGER PRODUCT NAME | BJ PRODUCT NAME | NEXTier PRODUCT NAME | PRODUCT USE | CHEMICAL NAME | CAS-Number |
| SURFACE (FRESHWATER) up to 3% | XXXXXXXXXX | INTEGRA SEAL | CJ600 | LOST CIRC MATERIAL | CELLOPHANE FLAKES | 9005-81-6 |
| | S001 | A-7P | 0110 | ACCELERATOR | CALCIUM CHLORIDE | 10043-52-4 |
| COAL PROTECTION up to 3% | XXXXXXXXXX | INTEGRA SEAL | 0600 | LOST CIRC MATERIAL | CELLOPHANE FLAKES | 9005-81-6 |
| | S001 | A-7P | CJ110 | ACCELERATOR | CALCIUM CHLORIDE | 10043-52-4 |
| INTERMEDIATE | D020 | BENTONITE | CJ020 | EXTENDER | BENTONITE | 1302-78-9 |
| | 0047 | FP 28L | XXXXXXXXXX | LIQUID ANTIFOAM AGENT | POLYPROPYLENE GLYCOL | 25322-69-4 |
| | XXXXXXXXXX | INTEGRA SEAL | CJ600 | LOST CIRC MATERIAL | CELLOPHANE FLAKES | 9005-81-6 |
| | CemNet | XXXXXXXXXX | XXXXXXXXXX | LOST CIRC MATERIAL | COATED FIBERGLASS FIBERS | PROPRIETARY |
| | SUGAR | SUGAR | CJ795 | CMT RETARDER | SUCROSE | 57-50-1 |
| | S001 | A-7P | CJ110 | ACCELERATOR | CALCIUM CHLORIDE | 10043-52-4 |
| PRODUCTION | XXXXXXXXXX | XXXXXXXXXX | CJ111 | ACCELERATOR | SODIUM CHLORIDE | 7440-23-5 |
| | XXXXXXXXXX | 55-IIW | 0880 | SURFACTANT | NONIONIC SURFACTANT | 6540-99-4 |
| | DO47 | FP 28L | XXXXXXXXXX | LIQUID ANTIFOAM AGENT | POLYPROPYLENE GLYCOL | 25322-69-4 |
| | XXXXXXXXXX | XXXXXXXXXX | OX157011 | SOLID ANTIFOAM AGENT | FULLERS EARTH(ATTAPULGITE) | 8031-18-3 |
| | XXXXXXXXXX | XXXXXXXXXX | CJ540 | HP FLUID LOSS ADDITIVE | ALIPHATICAMIDE POLYMER | PROPRIETARY |
| | 0255 | XXXXXXXXXX | XXXXXXXXXX | MED TEMP FLUID LOSS ADDITIVE | POLYACRILIC POLYMER | PROPRIETARY |
| | XXXXXXXXXX | XXXXXXXXXX | CJ213 | RETARDER | CHRYSTALLINE SILICA | 14808-60-7 |
| | XXXXXXXXXX | FL-66 | 0501 | LOW TEMP FLUID LOSS ADD | POWDERED POLYSACCHARIDE | PROPRIETARY |
| | XXXXXXXXXX | BENTONITE | CJ020 | EXTENDER | BENTONITE | 1302-78-9 |
| | D208 | ASA-301 | XXXXXXXXXX | VISCO FIER/ANTI-SETTLING AGENT | REFINED POLYMER/ CHRYSTALLINE SILICA | PROPRIETARY |
| | D198 | R-3 | XXXXXXXXXX | CEMENT RETARDER | LIGNIN | 8068-51-6 |
| | SUGAR | SUGAR | CJ795 | CEMENT RETARDER | SUCROSE | 57-50-1 |
| | D065 | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | DISPERSANT | SODIUM POLYNAPHTHALENE SULFONATE |
| D800 | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | CEMENT RETARDER (Mid-Temperature) | SODIUM LIGNOSULFONATE | 8061-51-6 |

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Strader Power
03/31/2026

05/15/2026



Brittany Woody
Staff Regulatory Specialist

December 3, 2025

Mr. Charles Brewer
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Proposed New Well: Shannon Fields OHI 8H

Dear Mr. Brewer

Expand has reviewed the area of the above mentioned well and discovered no shallow wells within 500' of the lateral. This well is situated on the Fields's property, in Richland District, Ohio County, West Virginia.

If you have any questions or desire additional information, please me at 304-209-5688.

Thank you.

Best regards,

A handwritten signature in blue ink that reads "Brittany Woody".

Brittany Woody
Senior Regulatory Analyst
Expand Energy

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Expand Energy Corporation

1300 Fort Pierpont Dr., Suite 201 / Morgantown, WV 26508
O: 304-209-5688 / m: 304-997-2598 / Brittany.Woody@expandenergy.com

05/15/2026

WW-9
(4/16)

API Number 47 - 069 - _____
Operator's Well No. Shannon Fields OHI 8H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Expand Operating LLC OP Code 494533012

Watershed (HUC 10) Upper Ohio South Quadrangle Wheeling

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number Various Approved Facilities)
- Reuse (at API Number At the next anticipated well)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain recovery and solidification on site)

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Will closed loop system be used? If so, describe: Yes- See Attachment 3A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air drill to KOP, fluid drill with SOB from KOP to TD

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base

Additives to be used in drilling medium? Attachment 3B

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021

Apex Sanitary Landfill 06-08438, Brooke Co SWF-1013, FMS 353100

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Brittany Woody

Company Official (Typed Name) Brittany Woody

Company Official Title Senior Regulatory Analyst

Subscribed and sworn before me this 4 day of December, 2025

Elizabeth Blankenship

Notary Public

My commission expires 6/23/2029



Form WW-9

Operator's Well No. Shannon Fields OHI 8H

Expand Operating LLC

Proposed Revegetation Treatment: Acres Disturbed 20.94 Prevegetation pH _____

Lime as determined by pH test min.2 Tons/acre or to correct to pH 17

Fertilizer type 10-20-20

Fertilizer amount 600/500 lbs/acre

Mulch Hay/Straw Tons/acre

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Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Attachment 3C

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: STRADER LOWER

Comments: _____

Title: Oil & Gas Inspector

Date: 2/17/2024

Field Reviewed? Yes No

05/15/2026

Attachment 3A

CLOSED LOOP SYSTEM

The closed loop system is designed to eliminate the use of reserve pits by providing a higher level of solids control processing and using steel pits for capture of drill cuttings. The cuttings are then processed to achieve landfill requirements before hauling to approved landfills. The liquids are processed to recycle into the active mud system or to transfer to onsite temporary storage as needed.

The closed loop system consists of a Shale Gas Separator, several banks of solids shakers, high speed centrifuges (1 or 2) used to process the fluid portion of the mud system to remove low gravity solids, low speed centrifuge used for barite recovery in highly weighted liquid drilling systems, a dewatering system (for air intervals and if freshwater mud systems are in use) used to further clean liquids by flocculation and additional mechanical separation, associated open top tanks for processing liquids and capturing solids for disposal, and transfer pumps to move fluids through the processes. There is an area adjacent to the cuttings tanks (Red Zone) where a track hole is utilized to recover the processed cuttings for loading into containers for haul off to an approved landfill site. (See attached schematic of a generic closed loop system layout)

Below are discussions of the processes used when drilling the air interval or liquids interval.

AIR DRILLING INTERVALS

During air drilling operations, flow from the rig will pass down the flowline to the Shale Gas Separator where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. Solids pass into the cuttings tanks where they are captured for drying and hauloff to an approved landfill site. Liquids fall into a shaker tank and are collected by a centrifugal pump to be processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low gravity solids before being reused or transferred to onsite storage.

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

When drilling is converted to liquids drilling, the Shale Gas Separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached to the cutting are recovered out the tank and processed through the low gravity (high speed) and barite recovery centrifuges (low speed) to further remove low gravity solids and to recover barite for reuse in the mud systems.

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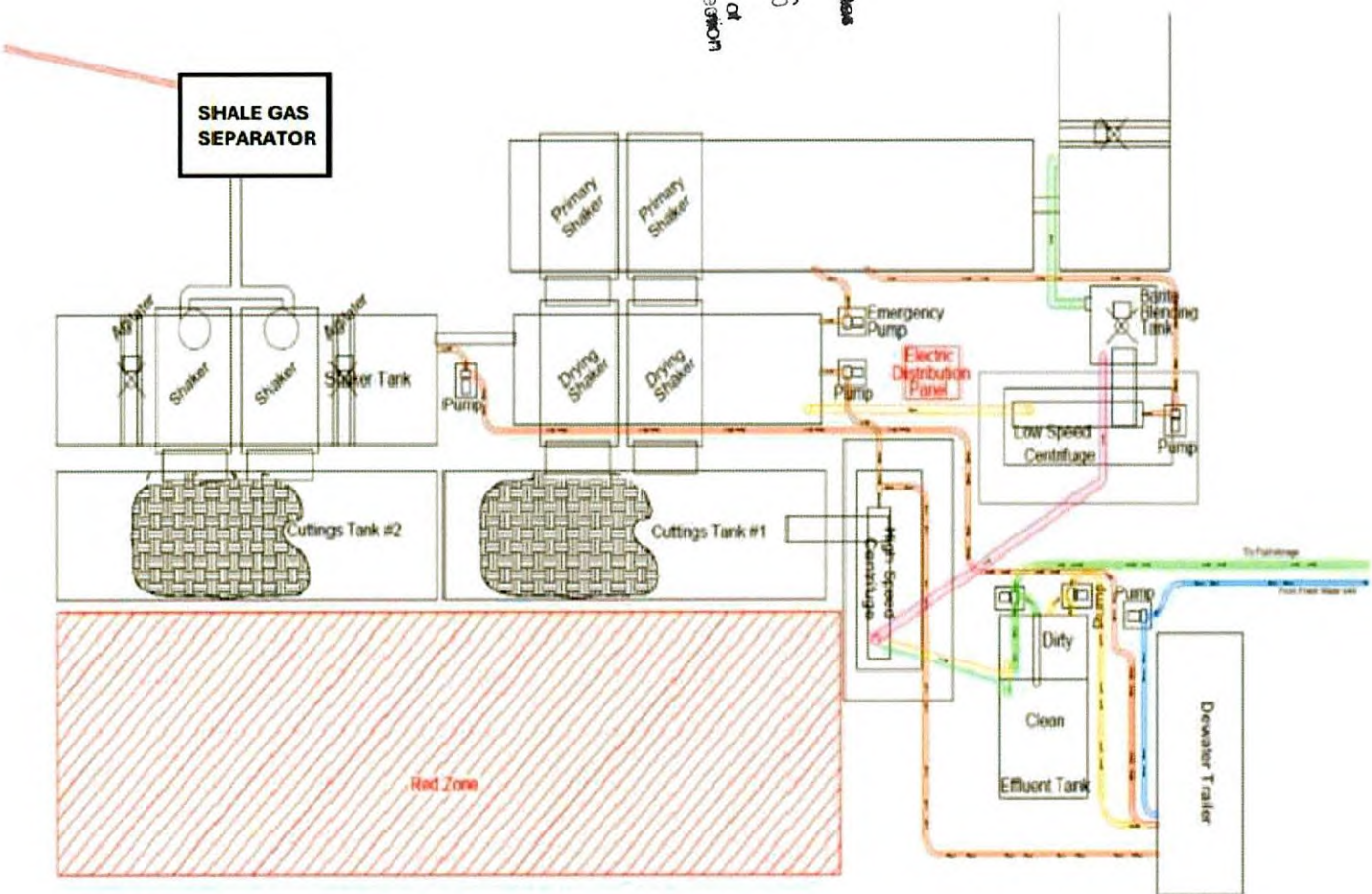
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3.10.2025
05/15/2026

Solids Control Layout



PERC SYSTEMS
Office of Oil and Gas
APR 09 2026
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EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM

Drilling Mediums

Surface/Coal (if present)/Freshwater Intervals

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present)

Air

Freshwater (if needed based on conditions)

Brine (if needed, base fluid for mud systems)

Production Hole:

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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Attachment 3C



WVD Seeding Specification

To Order Seed contact John Dubowski office 304-209-5741 cell 346-773-6078 john.dubowski@expandenergy.com (please allow 7 to 10 days for delivery)

| NON-ORGANIC PROPERTIES | | |
|------------------------|--|---|
| Seed Mixture: ROW Mix | SWN Supplied | |
| Orchardgrass | 40% | |
| Timothy | 15% | |
| Annual Ryegrass | 15% | |
| Brown Top Millet | 5% | |
| Red Top | 5% | |
| Medium Red Clover | 5% | All legumes are innoculated at 5x normal rate |
| White Clover | 5% | |
| Birdsfoot Trefoil | 5% | |
| Rough Bluegrass | 5% | |
| | | |
| | Apply @ 100lbs per acre April 16th- Oct. 14th | Apply @ 200lbs per acre Oct. 15th- April 15th PLUS 50lbs per acre of Winter Wheat |

| SOIL AMENDMENTS | |
|---------------------|--|
| 10-20-20 Fertilizer | *Apply @ 500lbs per Acre |
| Pelletized Lime | Apply @ 2 Tons per Acre *unless otherwise dictated by soil test results |

| Seeding Calculation Information: |
|----------------------------------|
| 1452' of 30' ROW/LOD is One Acre |
| 871' of 50' ROW/LOD is One Acre |
| 622' of 70' ROW/LOD is One Acre |

Synopsis:
Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).

Special Considerations:
Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with Expand supervision at the beginning of the project to allow time for special seed delivery.

| ORGANIC PROPERTIES | | |
|---|--|--|
| Seed Mixture: Expand Production Organic Mix | Expand Supplied | |
| Organic Timothy | 50% | |
| Organic Red or White Clover | 50% | |
| OR | | |
| Organic Perennial Ryegrass | 50% | |
| Organic Red or White Clover | 50% | |
| | Apply @ 100lbs per acre April 16th- Oct. 14th | Apply @ 200lbs per acre Oct. 15th- April 15th |
| Organic Fertilizer @ 200lbs per Acre | | Pelletized Lime @ 2 Tons per Acre |

| WETLANDS (delineated as jurisdictional wetlands) | | |
|--|---|---|
| Seed Mixture: Wetland Mix | Expand Supplied | |
| VA Wild Ryegrass | 20% | |
| Annual Ryegrass | 20% | |
| Fowl Bluegrass | 20% | |
| Cosmos 'Sensation' | 10% | |
| Redtop | 5% | |
| Golden Tickseed | 5% | |
| Maryland Senna | 5% | |
| Showy Tickseed | 5% | |
| Fox Sedge | 2.5% | |
| Soft Rush | 2.5% | |
| Woolgrass | 2.5% | |
| Swamp Verbena | 2.5% | |
| | Apply @ 25lbs per acre April 16th- Oct. 14th | Apply @ 50lbs per acre Oct. 15th- April 15th |
| NO FERTILIZER OR LIME INSIDE WETLAND LIMITS | | |

WVD Department of Environmental Protection
 APR 09 2026
 Office of Oil and Gas
 REGISTRATION

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



Expand Energy
1300 Fort Pierpont Drive, Suite 201
Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: Shannon Fields OHI 8H
Wheeling QUAD
Richland DISTRICT
OHIO COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Brittany Woody

Date: 12/3/2025

Title: Senior Regulatory Analyst

Expand Energy

Approved by:

Name: STRADER COWER

Date: 2/17/2026

Title: Oil & Gas Inspector

Approved by:

Name: _____

Date: _____

Title: _____

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Expand Energy – CONFIDENTIAL

05/15/2026



SURVEYOR/ENGINEER:
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
1-304-933-3463

PROPOSED 8H
SURFACE HOLE

LPL

AZL1

AZL2

AZL3

AZL4

PROPOSED 8H
BOTTOM HOLE

05/15/2026

| |
|--------------------------------------|
| SURFACE HOLE LOCATION (SHL): |
| GEOGRAPHIC (NAD83): |
| LATITUDE: 40.088331' |
| LONGITUDE: -80.657821' |
| LANDING POINT LOCATION (LPL): |
| GEOGRAPHIC (NAD83): |
| LATITUDE: 40.084515' |
| LONGITUDE: -80.668272' |
| BOTTOM HOLE LOCATION (BHL): |
| GEOGRAPHIC (NAD83): |
| LATITUDE: 40.030746' |
| LONGITUDE: -80.635964' |



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 3.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL
- EXISTING WATER WELL
- EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH
- DHP BUFFER

400' 1,500' 3,000'

| | | | |
|---|--|-----------------------|------------------|
| WELL OPERATOR: EXPAND OPERATING, LLC | WELL (FARM) NAME: SHANNON FIELDS OHI | WELL # 8H | SERIAL # XXXX |
| ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 | COUNTY - CODE OHIO - 35 | DISTRICT; RICHLAND | |
| SURFACE OWNER: SHANNON FIELDS, LLC | USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV | | |

LATITUDE :40°07'30"

SURFACE HOLE 9,181'

LATITUDE :40°02'30" BOTTOM HOLE 3,069'



SURVEYOR/ENGINEER: 1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

SURFACE HOLE LOCATION (SHL):

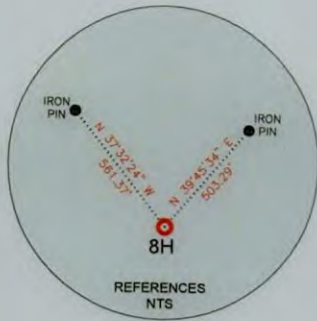
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,617.249
EASTING: 529,170.617

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,190.348
EASTING: 528,281.331

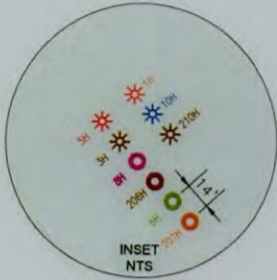
BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,431,233.157
EASTING: 531,060.064



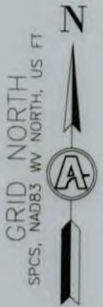
REFERENCES
NTS

| LINE | BEARING | DISTANCE | DESCRIPTION | MONUMENT |
|------|---------------|----------|-----------------|-------------------|
| L1 | N 74°29'39" W | 756.16' | SHL TO LANDMARK | STONE FOUND |
| L2 | N 26°41'52" E | 984.08' | SHL TO LANDMARK | CONCRETE MONUMENT |



INSET
NTS

| LINE | BEARING | DISTANCE | CURVE LENGTH | DESCRIPTION |
|------|---------------|------------|--------------|--------------|
| L3 | S 64°21'24" W | 3,236.36' | 3,758.96' | SHL TO LPL |
| L4 | S 24°57'58" E | 11,417.13' | 11,417.13' | AZL1 TO AZL2 |
| L5 | S 17°27'24" E | 748.41' | 750.48' | AZL2 TO AZL3 |
| L6 | S 09°56'53" E | 861.69' | 861.69' | AZL3 TO AZL4 |
| L7 | S 19°03'37" E | 907.00' | 910.83' | AZL4 TO AZL5 |
| L8 | S 04°08'35" E | 7,684.68' | 7,684.68' | AZL5 TO BHL |



WELL RESTRICTIONS

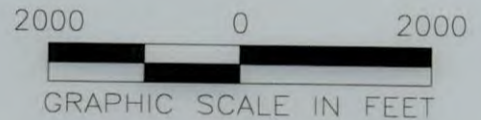
- ONE OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- TIES TO WELLS AND CORNERS ARE BASED ON UTM, NAD83 DATUM, ZONE 17, US FT.
- WELL LAT/LONG ESTABLISHED BY DIRECT GPS NAD '83.
- BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
- SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF BARBOUR COUNTY IN OCTOBER OF 2021.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 983 *Michael R. Hyman* 03-31-2026



| | | | |
|--|---|---|---|
| | (+) DEVOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS | MINIMUM DEGREE OF ACCURACY: 1/200 | OPERATOR'S WELL #: SHANNON FIELDS OHI 8H |
| | WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034 | PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT) | API WELL #: 47 STATE 69 COUNTY 00381 PERMIT |

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,235.95

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: WHEELING 7.5', WV

SURFACE OWNER: EXPAND APPALACHIA LLC ACREAGE: ±35.07

OIL & GAS ROYALTY OWNER: SHANNON FIELDS, LLC ACREAGE: ±35.07

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,234' TVD 28,994' TMD

05/15/2026

WELL OPERATOR: EXPAND OPERATING, LLC DESIGNATED AGENT: BRITANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26508

| | | |
|---------|---|--|
| LEGEND: | <ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY 500' OFFSET LINE PROPOSED PATH | REVISIONS: DATE: 03-31-2026 FILE NO: DRAWN BY: TMF SCALE: 1" = 2000' DRAWING NO: 2326 WELL LOCATION PLAT 1 |
|---------|---|--|



SURVEYOR/ENGINEER: 1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

INSET "A"

PROPOSED 8H
SURFACE HOLE

INSET "B"

INSET "C"

INSET "D"

INSET "E"

INSET "F"



2000 0 2000

GRAPHIC SCALE IN FEET

PROPOSED 8H
BOTTOM HOLE 05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

8H

DRAWN BY: TMF

DISTRICT:

COUNTY:

STATE:

SCALE: N/A

RICHLAND

OHIO

WV

DRAWING NO: 2326

WELL LOCATION PLAT



SURVEYOR/ENGINEER: 1-304-933-3463
 1700 ANMOORE RD,
 BRIDGEPORT, WV 26330

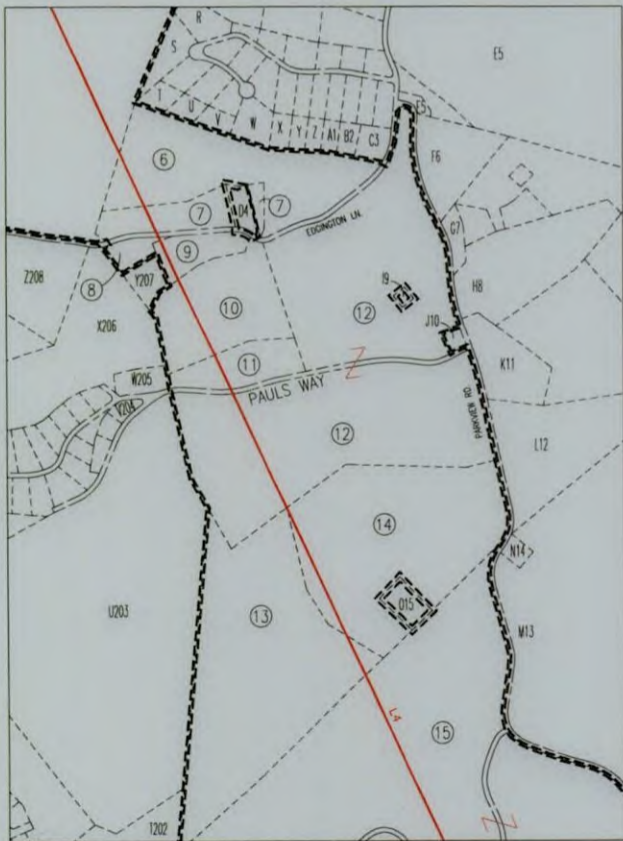
GRID NORTH
 UTM, NAD83 DATUM, ZONE 17, US FT



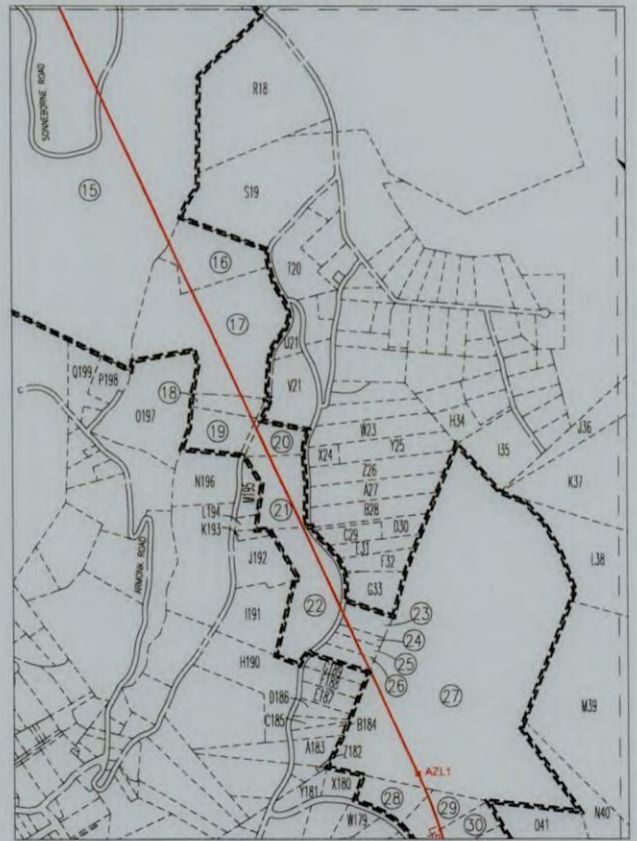
INSET "A"



INSET "B"



INSET "C"



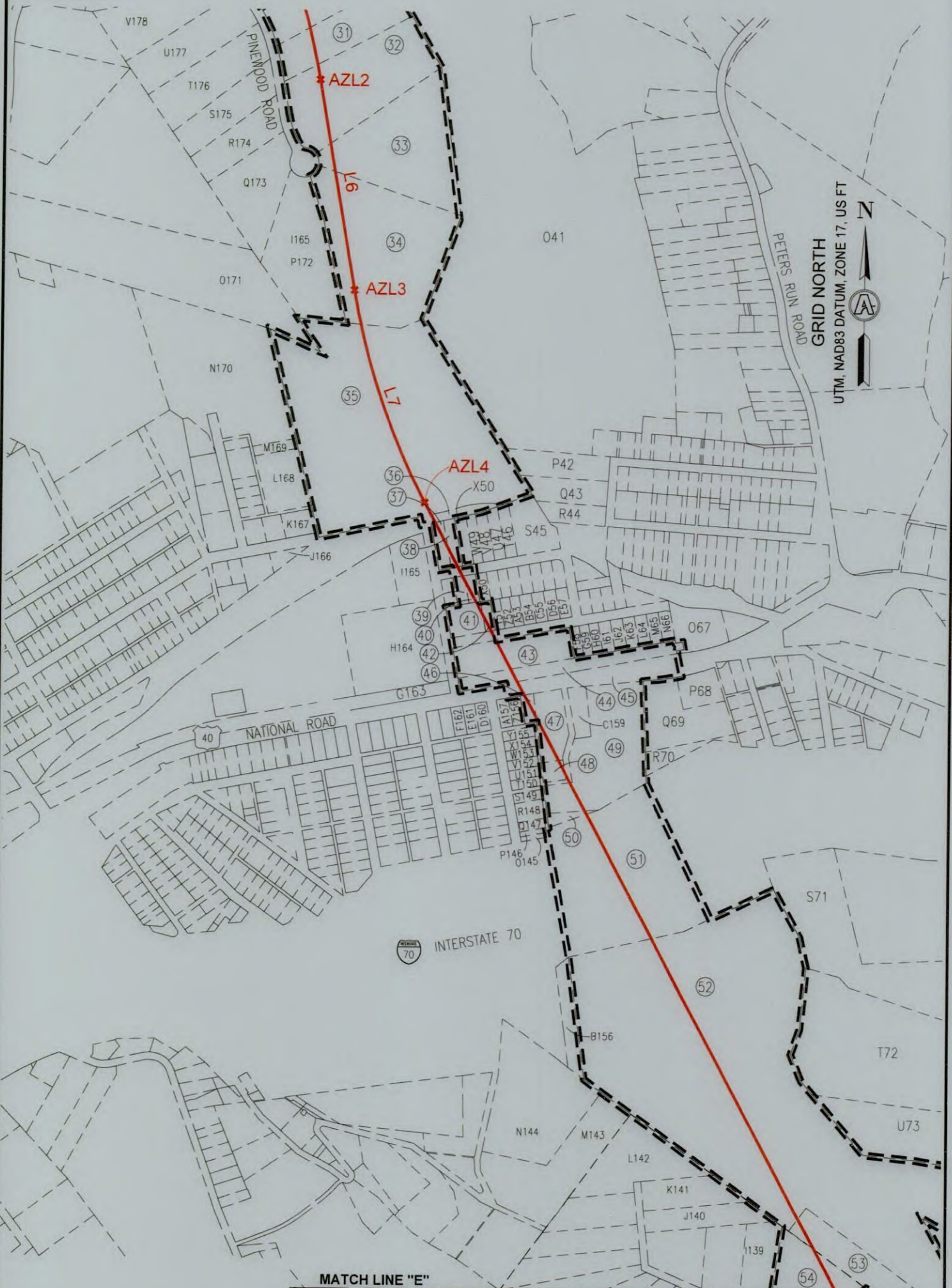
INSET "D" 05/15/2026

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|------------|
| REVISIONS: |
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|------------|--|---------|--|--------------------|--|
| COMPANY: | | | | DATE: 03-31-2026 | |
| OPERATOR'S | | | | SHANNON FIELDS OHI | |
| WELL #: | | 8H | | DRAWN BY: TMF | |
| DISTRICT: | | COUNTY: | | SCALE: N/A | |
| RICHLAND | | OHIO | | DRAWING NO: 2326 | |
| | | STATE: | | WELL LOCATION PLAT | |
| | | WV | | | |



SURVEYOR/ENGINEER: 1-304-933-3463
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 BRIDGEPORT, WV 26330



05/15/2026

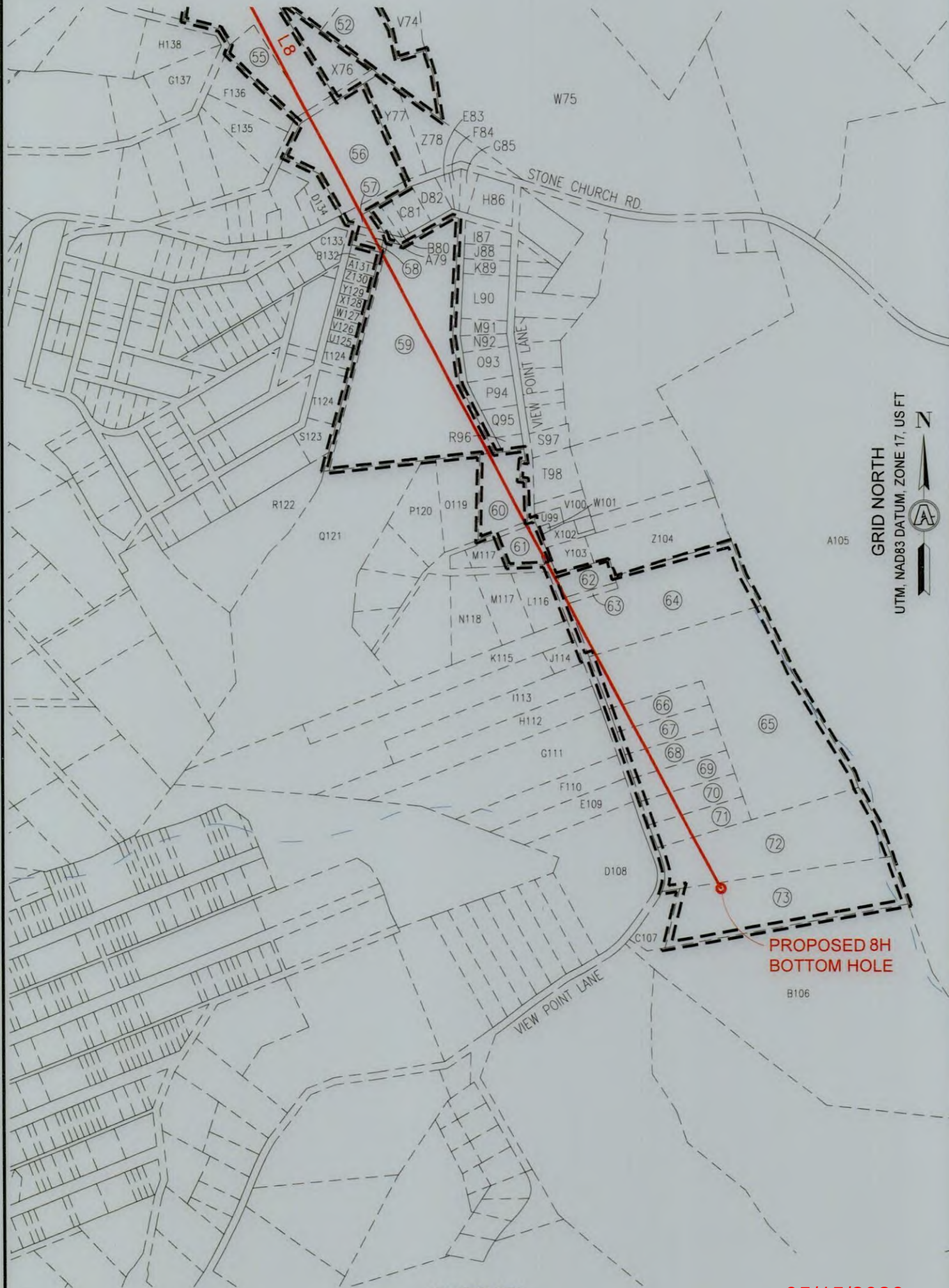
MATCH LINE "E"
INSET "E"
 SCALE: 1"=500'

| |
|------------|
| REVISIONS: |
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| | | | | | |
|------------|--|---------|--|--------------------|--|
| COMPANY: | | | | DATE: 03-31-2026 | |
| OPERATOR'S | | | | SHANNON FIELDS OHI | |
| WELL #: | | 8H | | DRAWN BY: TMF | |
| DISTRICT: | | COUNTY: | | SCALE: N/A | |
| RICHLAND | | OHIO | | DRAWING NO: 2326 | |
| | | STATE: | | WELL LOCATION PLAT | |
| | | WV | | | |



SURVEYOR/ENGINEER: 1-304-933-3463
 1700 ANMOORE RD.
 BRIDGEPORT, WV 26330



GRID NORTH
 UTM, NAD83 DATUM, ZONE 17, US FT

INSET "F"
 SCALE: 1"=500'

05/15/2026

| | | | | | | |
|------------|------------|----------|------------|--------------------|---------------|--------------------|
| REVISIONS: | COMPANY: | | | DATE: 03-31-2026 | | |
| | OPERATOR'S | | | SHANNON FIELDS OHI | DRAWN BY: TMF | |
| | WELL #: | 8H | SCALE: N/A | | | |
| | DISTRICT: | RICHLAND | COUNTY: | OHIO | STATE: | WV |
| | | | | | | WELL LOCATION PLAT |



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

ADJOINING OWNERS TABLE

| TRACT | SURFACE OWNER | TAX PARCEL |
|-------|--|------------|
| A | HUFFNER EARL P | 4-R17-24.1 |
| B | MULL JAMES R | 4-R17-24 |
| C | MINCH HERBERT P SR & CAROL ANN | 4-R17-57.3 |
| D | APPALACHIA MIDSTREAM SERVICES LLC CO CYNTHIA SMITH | 4-R17-23 |
| E | BENEKE NADA E | 4-R17-22 |
| F | JOHN THOMAS & MICHELLE | 4-R17-20 |
| G | CARTER RICHARD P | 4-R17-23.3 |
| H | OLEARY CRAIG V & EMMA L | 4-R17-17 |
| I | SCHREIBER JEREMY A & PHILBRICK ELIZABETH | 4-R17-16 |
| J | HEMPELMAN MARGARET E ESTATE | 4-R17-14 |
| K | COLUMBIA GAS TRANSMISSION CORP | 4-R17-15 |
| L | HEMPELMANN GUNTHER F JR | 4-R17-13 |
| M | BURKLAND CARL D III & JOLIN H | 4-R17-13.1 |
| N | BURKLAND CARL D III & JOLIN H | 4-R17-12 |
| O | FISHER HARRY S & BARBARA J | 4-R17-11 |
| P | FISHER HARRY S & BARBARA J | 4-R17-11.1 |
| Q | LENKEY ATTILA A | 4-R17-10.1 |
| R | KIRBY LAUREN MARIE & ANDAM DANIEL KIRBY | 6-T2J-11 |
| S | WONDERLY CHERYL LYNN | 6-T2J-13 |
| T | APEL RAYMOND | 6-T2J-20.6 |
| U | HOOPER MICHAEL E & GRETCHEN C | 6-T2J-20.7 |
| V | JEFFERSON JOSHUA & REBECCA A | 6-T2J-20.8 |
| W | ALKHOURI NABIEL & NESRIN | 6-T2J-21 |
| X | BAKER MICHAEL AND SUSAN | 6-T2J-20.5 |
| Y | BAKER MICHAEL J & SUSAN P | 6-T2J-20.4 |
| Z | NELSON ROBERT B & KIMBERLY S | 6-T2J-20.3 |
| A1 | WRIGHT JAMES C & MARY ELLEN | 6-T2J-20.2 |
| B2 | URVAL SHASHI R & MONISHA | 6-T2J-20.1 |
| C3 | SEEVERS ROBERT J & TAMI LOU C/O WESBANCO TRUST DEPT | 6-T2-2 |
| D4 | BLATT TRISTEN M | 6-T2-4.1 |
| E5 | CARTER RICHARD P & KIM M | 4-R17-23.1 |
| F6 | WILCOX ERICA D & WARREN C III | 6-T2-14 |
| G7 | FRANKE RODD A & LISA R | 6-T2-15 |
| H8 | DANEHART ARTHUR W & LUANN | 6-T2-15.2 |
| I9 | CITY OF WHEELING | 6-T2-11.1 |
| J10 | BECKER MARY R | 6-T2-10 |
| K11 | DANEHART ARTHUR W JR & LUANN | 6-T2-16.1 |
| L12 | DANEHART LUANN AND ARTHUR W JR | 6-T2-16.2 |
| M13 | WHEELING PARK COMMISSION | 6-T7-95 |
| N14 | WHEELING PARK COMMISSION | 6-T2-17 |
| O15 | CAMPBELL KIMBERLY M | 6-T2-13.2 |
| P16 | BOARD OF EDUCATION OF OHIO COUNTY | 10-W56-4 |
| Q17 | BOARD OF EDUCATION | 10-W56-1 |
| R18 | BOARD OF EDUCATION | 10-W56-2 |
| S19 | HINDERLITER BRIAN M | 6-T7-6.4 |
| T20 | BRADEN FRANCES L IRREVOC TRUST | 6-T7-6.3 |
| U21 | ELIZABETH P CONAWAY | |
| V22 | UNKNOWN HEIRS OR ASSIGNS OF TAHNIA NICE | |
| W23 | LONGWELL MARY ANN - TOD | 6-T7-78 |
| X24 | MILLER ROBERT L JR | 6-T7-80 |
| Y25 | MILLER ROBERT L JR | 6-T7-81 |
| Z26 | ROBRECHT RICHARD J & MICKEY | 6-T7-84 |
| A27 | NICK SUSAN LYNN & SEAN A | 6-T7-85 |
| B28 | EVICK THOMAS E & K L | 6-T7-86 |
| C29 | TAYLOR M;COMER J DANIEL G&D; KRUPA K | 6-T7-88.1 |
| D30 | EVICK THOMAS E & K L | 6-T7-87 |
| E31 | COMER THERESA M | 6-T7-88 |
| F32 | MINOR TIMOTHY A & CARLA J | 6-T7-89 |

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE

| TRACT | SURFACE OWNER | TAX PARCEL |
|-------|--|-------------|
| G33 | MUTH JOSHUA J & SARAH E | 6-T7-90 |
| H34 | TRISCHLER JOHN PATRICK & MEREDITH LEIGH | 6-T7-75.4 |
| I35 | MILLER JD JR CAROLINE | 6-T7-67.1 |
| J36 | MILLER JAMES D JR & CAROLINE K | 6-T7-117.2 |
| K37 | MILLER JAMES D JR & CAROLINE K | 6-T7-117.1 |
| L38 | MILLER JAMES D JR & CAROLINE K | 6-T7-117.3 |
| M39 | PETERS RUN LAND CO INC | 6-T7-119 |
| N40 | PETERS RUN LAND CO INC | 6-T7-125.1 |
| O41 | WITZGALL JAMES F & ANDREA | 6-T7-126 |
| P42 | RODOCKER SHILLING A KLEINENDORST KATLYN | 10-W76-18 |
| Q43 | TEUFEL WILLIAM L III | 10-W76-19 |
| R44 | BRACKEN THOMAS J | 10-W76-20 |
| S45 | WADE LAURA L | 10-W82-126 |
| T46 | YENSEN GAY LYNN - TOD | 10-W82-125 |
| U47 | IDEAL PROPERTIES LLC | 10-W82-124 |
| V48 | OCONNOR MARIE | 10-W82-123 |
| W49 | LUDOLPH CHRISTOPHER C/O WESBANCO BANK INC | 10-W82-121 |
| X50 | WIMER RENEE L | 10-W82-134 |
| Y51 | KLINER HARRY | 10-W82-140 |
| Z52 | B & J PROPERTIES LLC | 10-W82-141 |
| A53 | SHELHAMMER VIRGINIA GAYLE | 10-W82-142 |
| B54 | MORRIS DEVIN PATRICK C/O WESBANCO TRUST DEPT | 10-W82-143 |
| C55 | CLAYTON WILLIAM B | 10-W82-144 |
| D56 | BLAND FRANK E JR | 10-W82-145 |
| E57 | TS VALLEY PROPERTIES LLC | 10-W82-146 |
| F58 | CAPITAL GREENE LIMITED PARTNERSHIP | 10-W82-155 |
| G59 | BETTS STEPHEN G & JAIME L MCFADDEN | 10-W82-154 |
| H60 | 2524 LINCOLN AVE RANCH 080012202022 TRUST | 10-W82-153 |
| I61 | CARRELLI DENNIS | 10-W82-152 |
| J62 | HOLECZY JAMES J & P K | 10-W83-23 |
| K63 | LONG MARTHA D | 10-W83-24 |
| L64 | CARENBAUER JAY A & J M | 10-W83-25 |
| M65 | GASTON JAMES A | 10-W83-26 |
| N66 | HOYT HOLLY A | 10-W83-27 |
| O67 | HUNTER JOAN L ET AL | 10-W83-28 |
| P68 | NATIONAL CHURCH RESIDENCES OF WHEELING WV INC | 10-W83-47 |
| Q69 | NATIONAL CHURCH RESIDENCES OF WHEELING WV INC | 10-W83-47.1 |
| R70 | NATIONAL CHURCH RESIDENCES OF WHEELING WV INC | 10-W83-48.2 |
| S71 | TOWN CARY L | 6-T12-9 |
| T72 | SAVAGE CHARLES J | 6-T12-9.3 |
| U73 | R&J SMITH FARM LLC | 6-T12-9.4 |
| V74 | R&J SMITH FAMILY FARM LLC | 6-T12L-53 |
| W75 | FORGET JENNIFER A SCHNEIDER & DANIEL B FORGET | 6-T12-11 |
| X76 | R&J SMITH FAMILY FARM LLC | 6-T12L-1 |
| Y77 | LUCHETTI ROBERT R | 6-T12L-8 |
| Z78 | SMITH ROBERT A & ROBIN | 6-T12L-9 |
| A79 | HALL JONATHAN A | 6-T12L-26 |
| B80 | LANGMYER ROBERT | 6-T12L-27 |
| C81 | LANGMYER ROBERT L & TAMMY M | 6-T12L-28 |
| D82 | MCGINNIS ARLEY J SR & BETTY R | 6-T12L-30 |
| E83 | COOK TRACY J & RUCKH IRVIN L S/S2011 | 6-T12L-31 |
| F84 | SMITH JAMES A | 6-T12L-32 |
| G85 | SLIGAR EUGENE F JR | 6-T12L-33 |
| H86 | KESSLER MICHAEL J & D D | 6-T12L-36 |
| I87 | POCKL ROBERT J & MARY C | 6-T12L-37 |
| J88 | VOSSEN BRIAN | 6-T12L-38 |

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

8H

DRAWN BY: TMF

DISTRICT:

COUNTY:

STATE:

SCALE: N/A

RICHLAND

OHIO

WV

DRAWING NO: 2326

WELL LOCATION PLAT



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

| ADJOINING OWNERS TABLE | | |
|------------------------|---|-------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| K89 | COCHRAN NICHOLAS R | 6-T12L-39 |
| L90 | EVERLY MARGARET | 6-T12L-40 |
| M91 | BALLER EVERLY PEGGY WOLF CHARLES | 6-T12Q-15 |
| N92 | KENT TERRY LEE | 6-T12Q-15.1 |
| O93 | COOK THELMA D (LIFE ESTATE) KENT CINDY L | 6-T12Q-16 |
| P94 | SLIGAR EUGENE F JR | 6-T12Q-17 |
| Q95 | SLIGAR EUGENE F JR | 6-T12Q-17.1 |
| R96 | SLIGAR EUGENE F JR | 6-T12Q-17.2 |
| S97 | BRIGHT DEBORAH A & BRIGHT CYNTHIA J | 6-T12Q-38 |
| T98 | BEAVER PAMELA S & DALE E | 6-T12Q-39 |
| U99 | DIERKES BRAD J AND REBECCA A | 6-T12Q-39.4 |
| V100 | DIERKES BRAD J AND REBECCA A | 6-T12Q-39.1 |
| W101 | OHIO COUNTY PUBLIC SERV DIST | 6-T12Q-39.2 |
| X102 | DIERKES BRAD J | 6-T12Q-39.3 |
| Y103 | BELLANCO NICOLE M & DANA J BRADENBURG | 6-T12Q-40.4 |
| Z104 | DIERKES BRAD J | 6-T12Q-40 |
| A105 | BLAKE BRUCE & GRACE | 6-T12-14 |
| B106 | BEALL GREGORY W & J A | 6-T17-9.1 |
| C107 | BEALL THOMAS E & J R | 6-T17-9.2 |
| D108 | STRAIGHT JOHANNA | 6-T17C-8 |
| E109 | HARRIS CARL A & CONNIE S | 6-T17C-9 |
| F110 | DIXON REBECCA L & MATTHEW D | 6-T17C-10 |
| G111 | WISVARI LINDA L | 6-T12Q-32 |
| H112 | SOLTESZ KEVIN C | 6-T12Q-31 |
| I113 | WARD DONALD J & S F | 6-T12Q-30.1 |
| J114 | HOWARD JESSICA D & BRUCE | 6-T12Q-30 |
| K115 | KAPPAS PAULA & MARK | 6-T12Q-30.2 |
| L116 | SNYDER MICHAEL ALLEN | 6-T12Q-25.1 |
| M117 | M&J LOGISTICS LLC | 6-T12Q-24 |
| N118 | ELBERT JAMES III | 6-T12Q-23 |
| O119 | HALL DAVID N & L M | 6-T12Q-19 |
| P120 | WAKEFIELD LESTER L & L EVA | 6-T12Q-20 |
| Q121 | LEWIS GERALD ET AL | 6-T12Q-21 |
| R122 | TREIBER BONNIE J | 6-T12P-265 |
| S123 | STURM EARL F IV | 6-T12Q-13 |
| T124 | WILLSON LINNIE ANN & WILLIAM PERRY DARNEY | 6-T12P-244 |
| U125 | NICHOLS HUGH W | 6-T12Q-5 |
| V126 | DERR ALFRED | 6-T12Q-4 |
| W127 | DERR ALFRED | 6-T12L-18 |
| X128 | DERR ALFRED | 6-T12L-19 |
| Y129 | REDDY JOHN F | 6-T12L-20 |
| Z130 | REDDY JOHN F | 6-T12L-21 |
| A131 | REDDY JOHN F | 6-T12L-22 |
| B132 | REDDY JOHN F | 6-T12L-23 |
| C133 | REDDY JOHN F | 6-T12L-13 |
| D134 | STEELE GARRETT W & JESSICA K | 6-T12L-4 |
| E135 | KENT PATRICK S | 6-T12K-110 |
| F136 | R&J SMITH FAMILY FARM LLC | 6-T12K-145 |
| G137 | KENT PATRICK S | 6-T12K-110 |
| H138 | R&J SMITH FAMILY FARM LLC | 6-T12K-109 |
| I139 | R&J SMITH FAMILY FARM LLC | 6-T12K-150 |
| J140 | R&J SMITH FAMILY FARM LLC | 6-T12K-155 |
| K141 | R&J SMITH FAMILY FARM LLC | 6-T12K-156 |
| L142 | R&J SMITH FAMILY FARM LLC | 6-T12K-100 |
| M143 | MIRANDY STEPHEN M & WENDY L | 6-T12K-91 |
| N144 | MIRANDY STEPHEN M & WENDY L | 6-T12F-8 |
| O145 | PARSONS DEBRA F | 10-W82-470 |
| P146 | PARSONS DEBRA F | 10-W82-176 |
| Q147 | PARSONS DEBRA F | 10-W82-175 |

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

| ADJOINING OWNERS TABLE | | |
|------------------------|--|--------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| R148 | WADE SHIRLEY A | 10-W82-173 |
| S149 | SMITH JAMES K | 10-W82-172 |
| T150 | WALKER RANDALL J AND DAVIS K A | 10-W82-171 |
| U151 | MILLER DENNIS H & MELONIE A | 10-W82-170 |
| V152 | MILLER DENNIS H & MELONIE A | 10-W82-169 |
| W153 | MUTH BARBARA JANE | 10-W82-168 |
| X154 | PELLARIN CODY M & MARIAH L | 10-W82-167 |
| Y155 | HINDMAN BETTY L C/O WESBANCO BANK TRUST DEPT | 10-W82-166 |
| Z156 | WHORTON LARA J C/O WESBANCO TRUST DEPT | 10-W82-164 |
| A157 | MURPHY MARK D | 10-W82-165 |
| B158 | TWEEDLIE JOSEPH M | 6-T12F-19 |
| C159 | PAR ENTERPRISES INC | 10-W82-158 |
| D160 | ZEPPENFELD H MARILYN - TOD | 10-W82-188 |
| E161 | MEYER ZANE P & AMANDA R | 10-W82-189 |
| F162 | VANDYNE AMANDA R | 10-W82-190 |
| G163 | PINION REALTY COMPANY; ELM GROVE PLAZA LLC | 10-W82-469 |
| H164 | PINION REALTY COMPANY; ELM GROVE PLAZA LLC | 10-W82-118.2 |
| I165 | PINION REALTY COMPANY; ELM GROVE PLAZA LLC | 10-W82-118.1 |
| J166 | SCOTT CHARLES D SR | 10-W82-117 |
| K167 | SCOTT CHARLES DAVID SR | 10-W82-115 |
| L168 | SCOTT CHARLES D SR | 10-W76-17 |
| M169 | SCOTT CHARLES D SR | 10-W76-1.3 |
| N170 | GILBERT JOSEPH W | 10-W76-8 |
| O171 | TURNER ELAINE E | 10-W76-1.11 |
| P172 | RAHBAR MAHMOOD & V G | 10-W76-30 |
| Q173 | HERRON ROBERT D JR & DINA M | 10-W76-29 |
| R174 | SQUIRES ALVEY O & M A | 10-W76-28 |
| S175 | SCHMITT MATTHEW T & JENNIFER L | 10-W76-27 |
| T176 | SMITH STEPHEN B & LINDA P | 10-W76-26 |
| U177 | NALLY JOHN H & B J | 10-W71-4 |
| V178 | ADERHOLT JOHN D & MOLLY J | 10-W71-3 |
| W179 | ST MYERS ROCHELLE M | 10-W71-2.1 |
| X180 | ROBINSON WILLIAM C & AUDREY A | 10-W71-9.1 |
| Y181 | BLASS SCOTT S & KATHY A | 10-W71-9 |
| Z182 | BLASS SCOTT S & KATHY A | 6-T7-62.3 |
| A183 | BLASS SCOTT S & KATHY A | 6-T7-62 |
| B184 | WILSON ADAM LUCAS | 6-T7-93 |
| C185 | WILSON ADAM LUCAS | 6-T7-93.3 |
| D186 | HARTLIEB WILLIAM D & CYNTHIA A | 6-T7-93.4 |
| E187 | RINE LARRY T & A CHRISTINE | 6-T7-93.2 |
| F188 | ADERHOLT DANNY C & KATHLEEN B; ADERHOLT JENNIFER D | 6-T7-93.6 |
| G189 | ADERHOLT DANNY C ET AL | 6-T7-93.5 |
| H190 | MORTIMER FRANCES J & T F C/O MORTIMER MARK | 6-T7-93.7 |
| I191 | CORKRAN RALPH & ED C | 6-T7-58 |
| J192 | MOTT BETTY & BRIAN | 6-T7-57 |
| K193 | SHOOK RODNEY & MOTT BETTY | 6-T7-56 |
| L194 | SHOOK RODNEY & MOTT BETTY | 6-T7-26 |
| M135 | HARRIS CAROLYN F KNA TUCKER CAROLYN F | 6-T7-54 |
| N196 | EVICK THOMAS & KAREN | 6-T7-21 |
| O197 | MISZAROS ARNOLD P JR | 6-T7-14 |
| P198 | JOSEPH PATTY J | 6-T7-15 |
| Q199 | NICKERSON DOUGLAS E & A E | 6-T7-16 |
| R200 | WHEELING PARK COMMISSION | 10-W70-11 |
| S201 | CATHOLIC DIOCESE OF WHEELING - CHARLESTON | 10-W64-1 |
| T202 | CATHOLIC DIOCESE OF WHEELING - CHARLESTON | 6-T7-1.1 |

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

8H

DRAWN BY: TMF

DISTRICT:
RICHLAND

COUNTY:
OHIO

STATE:
WV

SCALE: N/A

DRAWING NO: 2326

WELL LOCATION PLAT



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

| ADJOINING OWNERS TABLE | | |
|------------------------|---|--------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| U203 | CATHOLIC DIOCESE OF WHEELING - CHARLESTON | 6-T6-1 |
| V204 | GRUBER JUSTINE G | 10-W41A-3 |
| W205 | WRIGHT MARTHA J | 10-W41A-28 |
| X206 | RCK 2 GROUP LLC 1/2 VOGRIN MICHELLE L 1/2 | 10-W41-74 |
| Y207 | WALTER MATTHEW C | 6-T1-3.1 |
| Z208 | DOBBS DANIEL L & JULIE A | 6-T1-13 |
| A209 | CARROLL DONALD L & CARROLL D ANN M | 10-W41-57 |
| B210 | STORCH PETER G & LAURIE L | 10-W41-46 |
| C211 | KOVALICK ROBERT J JR | 10-W41-45 |
| D212 | MCGINLEY JOSEPH R & KELLY K | 10-W41-44.2 |
| E213 | MCGINLEY JOSEPH R & KELLY K | 10-W41-44.1 |
| F214 | MCGINLEY JOSEPH R & KELLY K | 10-W41-44 |
| G215 | MCGINLEY JOSEPH R & KELLY K | 10-W41-43 |
| H216 | STORCH PETER G & LAURIE | 10-W41-42 |
| I217 | HINEGARDNER JAMES L & B S | 10-W41-41 |
| J218 | HINEGARDNER JAMES L JR & BRENDA S | 10-W41-40 |
| K219 | STEADMAN STELLA M - TOD | 10-W41-39 |
| L220 | INGRAM ROBERT H & MARLENE L- | 10-W41-35.2 |
| M221 | BARANOWSKI CRYSTAL L | 10-W41-24.2 |
| N222 | MCKEETS JEANNE M - TOD | 10-W41-24.1 |
| O223 | HAMM WILLIAM A | 10-W41-24 |
| P224 | RUSSELL NESBITT SERVICES INC | 10-W34-16 |
| Q225 | HOLT SHERYL L | 10-W34-17.1 |
| R226 | HOLT SHERYL L | 10-W34-17 |
| S227 | HOLT SHERYL L | 10-W34-17.2 |
| T228 | NALLY SUSAN B | 10-W34-18 |
| U229 | SNIDER JAMES & CINDY | 10-W34-18.3 |
| V230 | SNIDER JAMES & CINDY | 10-W34-18.1 |
| W231 | SNIDER JAMES & CINDY | 10-W34-29.1 |
| X232 | WHEELING PARK COMMISSION | 10-W34-29 |
| Y233 | WHEELING PARK COMMISSION | 10-W34-28 |
| Z234 | SNIDER JAMES R | 10-W34-27 |
| A235 | YOUNG DANIEL & CHELSEA | 10-W34-26 |
| B236 | YOUNG DANIEL & CHELSEA | 10-W34-25 |
| C237 | YOUNG DANIEL R & CHELSEA R | 10-W34-25.1 |
| D238 | YOUNG DANIEL R & CHELSEA R | 10-W33-331.9 |
| E239 | UNKNOWN | |
| F240 | PHILLIPSON SANDIN E | 6-T1-1 |
| G241 | GC&P DEVELOPMENT LLC | 10-W26-90 |
| H242 | LOHR LINDA J | 10-W26-89 |
| I243 | GACS L P | 10-W26-90.1 |
| J244 | LLL LLC | 4-R17-6 |
| K245 | SEABRIGHT JACK & DANIELLE | 4-R17-6.4 |
| L246 | SEABRIGHT JACK & DANIELLE | 4-R17-6.2 |
| M247 | SEABRIGHT JACK A & DANIELLE L | 4-R17-6.3 |
| N248 | COMMUNITY IMPACT LAND HOLDING INC | 10-W27-1 |
| O249 | COMMUNITY IMPACT LAND HOLDING INC | 10-W27-2.1 |
| P250 | FOREST BROOK CONDOS | 10-W27-3 |
| Q251 | UNKOWN | |
| R252 | GACS LP | 10-W27A-1 |
| S253 | BURGE EDWARD LEE JR | 4-R17-8.1 |
| T254 | BURGE EDWARD LEE JR | 4-R17-8.1 |
| U255 | HITCHMAN HELEN G | 4-R14-67 |
| V256 | KNOX TARA MICHELLE & TORY JAY | 4-R17-59.1 |
| W257 | EDDY MARTHA M | 4-R17-59.2 |

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

| | | | |
|------------|------------|--------------------|--------------------|
| REVISIONS: | COMPANY: | | |
| | OPERATOR'S | SHANNON FIELDS OHI | |
| | WELL #: | 8H | |
| | DISTRICT: | COUNTY: | STATE: |
| | RICHLAND | OHIO | WV |
| | | | DATE: 03-31-2026 |
| | | | DRAWN BY: TMF |
| | | | SCALE: N/A |
| | | | DRAWING NO: 2326 |
| | | | WELL LOCATION PLAT |



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

| WELL BORE TRACTS | | |
|------------------|---|------------|
| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL |
| 1 | EXPAND APPALACHIA LLC (S) / SHANNON FIELDS, LLC (R) | 4-R17-23.2 |
| TRACT | SURFACE OWNER (S) | TAX PARCEL |
| 2 | BENEKE NADA E ET AL | 4-R17-19 |
| 3 | PARK VIEW MEMORIAL GARDENS INC | 4-R17-8 |
| 4 | WHEELING PARK COMMISSION | 4-R17-6.1 |
| 5 | WHEELING PARK COMMISSION | 6-T1-2 |
| 6 | PACHUTA KAREN A & VARONE K J | 6-T2-3 |
| 7 | BLATT TRISTEN M | 6-T2-4 |
| 8 | WALTER MATTHEW C | 6-T1-3 |
| 9 | WALTER MATTHEW C | 6-T2-6 |
| 10 | CERRA MARGUERITE M - TOD | 6-T2-7 |
| 11 | SWEENEY JAMES M | 6-T2-8 |
| 12 | CATHOLIC DIOCESE OF WHEELING - CHARLESTON | 6-T2-11 |
| 13 | RCK 2 GROUP LLC | 6-T2-13.1 |
| 14 | VOGRIN STEPHEN T & MICHELLE L | 6-T2-13 |
| 15 | WHEELING PARK COMMISSION | 6-T7-1 |
| 16 | ADAMS MARY S | 6-T7-9 |
| 17 | ADAMS MARY S | 6-T7-10 |
| 18 | WALTER SHEVAWN | 6-T7-10.1 |
| 19 | WALTER SHEVAWN | 6-T7-20 |
| 20 | LOY ELSIE D | 6-T7-52 |
| 21 | LOY CHARLES G SR & E DARLENE | 6-T7-53 |
| 22 | SALL SYLVIA JEAN OWENS CYNTHIA LOU | 6-T7-59 |
| 23 | WITSBERGER ROSE M | 6-T7-92 |
| 24 | CLARK CORY RAY & KRISTINA MARIE CLARK | 6-T7-91.1 |
| 25 | SEACHMAN LINDA J | 6-T7-91 |
| 26 | WARRICK CHARLES D | 6-T7-93.1 |
| 27 | TAGGART CALVIN J ET AL | 6-T7-125 |
| 28 | WHARTON THOMAS L GAST C MICHAEL | 10-W71-8 |
| 29 | KOZICKI DENNIS A & CARRIE B | 10-W71-7 |
| 30 | ALLEN THOMAS BRADLEY & | 10-W71-5 |
| 31 | MCKENZIE RONALD A & CARRIE A | 10-W71-6 |
| 32 | WITZGALL JAMES F & ANDREA | 10-W76-33 |
| 33 | RAHBAR MAHMOOD & VALERIE G | 10-W76-32 |
| 34 | SKADRA KENNETH M & J | 10-W76-31 |
| 35 | SCOTT CHARLES D SR | 10-W76-1.8 |
| 36 | WHEELING CREEK | |
| 37 | GESUALDO CHARLES A & C A | 10-W82-119 |
| 38 | BROELLA LLC | 10-W82-120 |
| 39 | HOFFMAN KEVIN D | 10-W82-136 |
| 40 | SULEK KATHLEEN | 10-W82-135 |
| 41 | PINION REALTY COMPANY; ELM GROVE PLAZA LLC | 10-W82-138 |
| 42 | LEDERGERBER DOLORES C (OCC); LEDERGERBER L; LEDERGERBER S | 10-W82-139 |
| 43 | CAPITAL GREENE LIMITED PARTNERSHIP | 10-W82-156 |
| 44 | CAPITAL GREENE LIMITED PARTNERSHIP | 10-W82-468 |
| 45 | W VA DEPT OF HIGHWAYS | U.S. 40 |
| 46 | QUALITY CONTRACTING & REPAIR LLC | 10-W82-163 |
| 47 | PAR ENTERPRISES INC | 10-W82-159 |
| 48 | ROY PATRICIA LOUISE | 10-W82-162 |
| 49 | PAR ENTERPRISES LLC | 10-W82-157 |

| WELL BORE TRACTS | | |
|------------------|--|--------------|
| TRACT | SURFACE OWNER (S) | TAX PARCEL |
| 50 | ELM GROVE PROPERTIES LLC C/O ELM GROVE PLAZA | 10-W82-157.1 |
| 51 | W VA DEPT OF HIGHWAYS | INTERSTAE 70 |
| 52 | R&J SMITH FAMILY FARM LLC | 6-T12-10 |
| 53 | R&J SMITH FAMILY FARM LLC | 6-T12L-52 |
| 54 | R&J SMITH FAMILY FARM LLC | 6-T12K-147 |
| 55 | R&J SMITH FAMILY FARM LLC | 6-T12K-146 |
| 56 | SLANTRS LLC | 6-T12L-3 |
| 57 | REDDY JOHN F | 6-T12L-25 |
| 58 | REDDY JOHN F | 6-T12L-24 |
| 59 | LANGMYER ROBERT L & TAMMY M | 6-T12Q-14 |
| 60 | PARSONS LEWIS R JR & ALICE L | 6-T12Q-18 |
| 61 | MACRI GARY A & JASON A | 6-T12Q-25 |
| 62 | BELLANCO NICOLE M & DANA J BRADENBURG | 6-T12Q-40.2 |
| 63 | BELLANCO NICOLE M & DANA J BRADENBURG | 6-T12Q-40.3 |
| 64 | MILLIKEN MATTHEW DALE | 6-T12Q-40.1 |
| 65 | VANFOSSEN KURT & SUMMER | 6-T12Q-41 |
| 66 | SEABRIGHT ALBERT A | 6-T12Q-42 |
| 67 | SEABRIGHT ALBERT A | 6-T12Q-43 |
| 68 | VOPAL GREGORY C & C A | 6-T12Q-44 |
| 69 | VOPAL CHRISTINA A | 6-T17C-11 |
| 70 | CIANELLI ERIC J KUBA CHRISTY | 6-T17C-12 |
| 71 | FINGER DANIEL D CALLAHAN RACHEL A | 6-T17C-13 |
| 72 | MARLING JOHN R | 6-T17-14 |
| 73 | BEALL GREGORY W & J A | 6-T17-9 |

| | | | | |
|------------|--------------------|--|--------|------------------|
| REVISIONS: | COMPANY: | | | |
| | OPERATOR'S | | | |
| | WELL #: | | | DATE: 03-31-2026 |
| | DISTRICT: | | | DRAWN BY: TMF |
| | COUNTY: | | STATE: | SCALE: N/A |
| | RICHLAND | | OHIO | WV |
| | WELL LOCATION PLAT | | | 05/15/2026 |

WW-6A1
(5/13)

Operator's Well No. Shannon Fields OHI 8H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| Lease Name or Number | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |
|----------------------|-----------------------|-----------------------|---------|-----------|
|----------------------|-----------------------|-----------------------|---------|-----------|

See Exhibit "A"

*Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

*Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Conservation Commission.

*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Expand Operating, LLC
 By: *Kelley Ryan*
 Its: Landman II

| EXHIBIT "A" | | | | | | |
|---|------------|--|---|---------------------------------------|---|--|
| Shannon Fields OH 8H | | | | | | |
| Ohio County, West Virginia | | | | | | |
| Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC, Operator | | | | | | |
| # | TMP | LESSOR | LESSEE | ROYALTY | BK.FPG | % INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC |
| 1 | 4-R17-23.2 | Mary Curtis Tapp, a married woman | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 805,270 883,415 1094,490 | 0.00% |
| 2 | 4-R17-19 | George Robert Benke, divorced | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 805,270 884,157, 888,786 1094,490 | 0.00% |
| | | Lisa Benke Barris, a married woman dealing in her sole and separate property | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 805,270 884,157, 888,786 1094,490 | |
| | | Nada E. Benke, a single woman | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 805,270 884,157, 888,786 1094,490 | |
| 3 | 4-R17-8 | Conestogo Family Services of West Virginia, LLC | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 814,586 884,121 1094,490 | 0.00% |
| 4 | 4-R17-6.1 | The Parks System Trust Fund of Wheeling | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 978,251 1094,490 | 0.00% |
| 5 | 6-T1-2 | Wheeling Park Commission, a Public Corporation and Governmental Subdivision of the City of Wheeling and the City of Wheeling, a Municipal Corporation | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 978,248 1094,490 | 0.00% |
| 6 | 6-T2-3 | Karl J. Varone and Karen A. Pasluta, husband and wife | Chesapeake Appalachia, L.L.C. | at least 1.8th per WV Code §22-6-8 | 837,490 1094,490 | |
| 7 | 6-T2-4 | Steven M Moskal, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 937,767 1094,490 | |
| 8 | 6-T1-3 | William H. Blair and Marianne B. Blair, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 997,152 1094,490 | 0.00% |
| | | Bret Michael Bishop, a married man dealing in his sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1005,186 1094,490 | |
| | | Bart Scott Bishop, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1006,696 1094,490 | |
| | | Lisa Bishop Carson, a single woman | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1005,151 1094,490 | |
| 9 | 6-T2-6 | William H. Blair and Marianne B. Blair, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 997,152 1094,490 | 0.00% |
| | | Bret Michael Bishop, a married man dealing in his sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1005,186 1094,490 | |
| | | Bart Scott Bishop, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1006,696 1094,490 | |
| | | Lisa Bishop Carson, a single woman | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1005,151 1094,490 | |
| 10 | 6-T2-7 | Marguerite M. Cerra, a single woman | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 945,514 1094,490 | 0.00% |
| 11 | 6-T2-8 | Richard Hopop, a married man dealing in his separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 935,774 1094,490 | 0.00% |
| 12 | 6-T2-11 | Roman Catholic Diocese of Wheeling-Charleston, by Michael J. Brandfield, Bishop | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 937,667 1094,490 | 0.00% |
| 13 | 6-T2-13.1 | RCK 2 Group, LLC | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 936,643 1094,490 | 0.00% |
| | | Michelle L. Vogrin and Stephen T. Vogrin, wife and husband | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 936,653 1094,490 | |
| 14 | 6-T2-13 | RCK 2 Group, LLC | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 936,643 1094,490 | 0.00% |
| | | Michelle L. Vogrin and Stephen T. Vogrin, wife and husband | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 936,653 1094,490 | |
| 15 | 6-T7-1 | Robert G. Baird, Martha Jane Cape, Ronald Morris Baird, Pamela S. Keys, Jacquelyn Ann Jacobs and Margory Ellen Kaiser, amended 5/25/2011 to include Jessie Ruth Caldwell | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 820,268 885,105 1094,490 | 0.00% |
| | | The Parks System Trust Fund of Wheeling | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 978,251 1000,456 | |
| 16 | 6-T7-9 | Expand Appalachia LLC (Company Owned Minerals) | N/A | N/A | 964,259 | 0.00% |
| 17 | 6-T7-10 | Expand Appalachia LLC (Company Owned Minerals) | N/A | N/A | 964,259 | 0.00% |
| 18 | 6-T7-10.1 | Shevorn L. Walter, a widow | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 945,155 1094,490 | 0.00% |
| 19 | 6-T7-20 | Shevorn L. Walter, a widow | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 945,155 1094,490 | 0.00% |
| 20 | 6-T7-52 | Elise D. Loy, married, dealing in her sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 937,484 1094,490 | 0.00% |
| 21 | 6-T7-53 | Charles G. Loy, Sr. and Elise D. Loy, a/k/a E. Darlene Loy, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 937,442 1094,490 | 0.00% |
| 22 | 6-T7-59 | Cynthia Lou Owens, married, dealing in her sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 939,271 1094,490 | 0.00% |
| | | James Sall, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 940,370 1094,490 | |
| | | Theresa Furbush, married, dealing in her sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 940,382 1094,490 | |
| | | Patricia Joyce Baker, married, dealing in her sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 941,123 1094,490 | |

| EXHIBIT "A" | | | | | | |
|---|----------------|---|---|---------------------------------------|---|--|
| Shannon Fields OH# 81 | | | | | | |
| Ohio County, West Virginia | | | | | | |
| Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WV-6A1, by Expand Operating, LLC, Operator | | | | | | |
| # | TMP | LESSOR | LESSEE | ROYALTY | BKPG | % INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC |
| | | Deborah Jean Assadzadok, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 943,714 1094,490 | |
| | | Thomas L. Sall, Jr., married, dealing in his sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 942,84 1094,490 | |
| 23 | 6-T7-92 | Rose M. Witsberger, a single woman | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 841,771 885,380, 888,275 1094,490 | 0.00% |
| 24 | 6-T7-91.1 | Charles L. Griffin and Mildred Lou Griffin, husband and wife | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 843,154 885,380, 888,275 1094,490 | 0.00% |
| 25 | 6-T7-91 | Howard Russell Todd, Jr., single | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 841,761 885,392, 888,375 1094,490 | 0.00% |
| 26 | 6-T7-93.1 | Charles D. Warrick and Lisa R. Warrick, husband and wife | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 841,165 885,392, 888,375 1094,490 | 0.00% |
| 27 | 6-T7-125 | Joseph L. Taggart | Fossil Creek Ohio, LLC SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 877,757 946,405 1094,490 | 0.00% |
| 28 | 10-W71-8 | Thomas L. Wharton, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 971,149 1094,490 | 0.00% |
| | | C. Michael Gast aka C. Michael Gast, Jr., single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 969,731 1094,490 | |
| 29 | 10-W71-7 | Dennis A. Kozicki and Carrie Brandi Kozicki, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 969,438 1094,490 | 0.00% |
| 30 | 10-W71-5 | Jon H. Greer and Tina R. Greer, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 971,124 1094,490 | 0.00% |
| 31 | 10-W71-6 | Ronald A. McKenzie and Carrie A. McKenzie, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 970,574 1094,490 | 0.00% |
| 32 | 10-W76-33 | James F. Witzgall and Andrea Witzgall, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 969,487 1094,490 | 0.00% |
| 33 | 10-W76-32 | Mahmood Rabba' and Valerie G. Rabba', husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 969,412 1094,490 | 0.00% |
| 34 | 10-W76-31 | Kenneth Skadra and Joyce Skadra, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 969,474 1094,490 | 0.00% |
| 35 | 10-W76-18 | Charles D. Scott, a widower | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 976,464 1094,490 | 0.00% |
| 36 | WHEELING CREEK | Pinon Realty Company, a West Virginia Corporation | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059,433 1094,490 | 0.00% |
| | | Elm Grove Plaza, LLC, a West Virginia Limited Liability Company | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059,449 1094,490 | |
| 37 | 10-W82-119 | Charles A. Gonuldo and Charlotte A. Gonuldo, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1042,381 1094,490 | 0.00% |
| 38 | 10-W82-120 | Brocilla LLC, a West Virginia Limited Liability Company | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1044,138 1094,490 | 0.00% |
| 39 | 10-W82-136 | Kevin D. Hoffman, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1053,161 1094,490 | 0.00% |
| 40 | 10-W82-135 | Kathleen Sulak, a single woman | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1094,659 1094,490 | 0.00% |
| 41 | 10-W82-138 | Pinon Realty Company, a West Virginia Corporation | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059,433 1094,490 | 0.00% |
| | | Elm Grove Plaza, LLC, a West Virginia Limited Liability Company | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059,449 1094,490 | |
| 42 | 10-W82-139 | Leo F. Ledergerber, a married man dealing in his sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1047,303 1094,490 | 0.00% |
| | | Stephen J. Ledergerber, a married man dealing in his sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1047,181 1094,490 | 0.00% |
| 43 | 10-W82-156 | Unleased owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| 44 | 10-W82-468 | Unleased owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| 45 | U.S. 40 | West Virginia Department of Transportation, Division of Highways | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 839,111 883,611 889,398 1094,490 | 0.00% |
| 46 | 10-W82-163 | Quality Contracting and Repair, LLC | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1043,96 1094,490 | 0.00% |
| 47 | 10-W82-159 | Ronald L. Goddard, a widower | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1044,204 1094,490 | 0.00% |
| 48 | 10-W82-162 | Unleased owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| 49 | 10-W82-157 | Unleased owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| 50 | 10-W82-157.1 | Elm Grove Plaza, LLC, a West Virginia Limited Liability Company | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059,449 | 0.00% |
| 51 | INTERSTATE 70 | ROW | N/A | N/A | N/A | 0.00% |
| 52 | 6-T12-10 | Robert A. Smith, a married man dealing in his sole and separate property | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 814,122 884,253, 888,101 1094,490 | 0.00% |

Docket/Cause
452-587

Docket/Cause
452-587

| EXHIBIT "A" | | | | | | |
|---|-------------|---|---|---------------------------------------|--|--|
| Shannon Fields OHB SH | | | | | | |
| Ohio County, West Virginia | | | | | | |
| Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC, Operator | | | | | | |
| # | TMP | LESSOR | LESSEE | ROYALTY | BKPG | % INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC |
| 53 | 6-T12L-52 | R&J Smith Family Farm, LLC | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1071.393 1094.490 | 0.00% |
| 54 | 6-T12K-147 | IE, LLC | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1040.41 1094.490 | 0.00% |
| 55 | 6-T12K-146 | Robert A. Smith, a married man dealing in his sole and separate property | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 814.122 884.253, 888.101 1094.490 | 0.00% |
| 56 | 6-T12L-5 | Robert A. Smith, a married man dealing in his sole and separate property | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 814.122 884.253, 888.101 1094.490 | 0.00% |
| 57 | 6-T12L-25 | John F. Roddy, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1068.752 1094.490 | 0.00% |
| 58 | 6-T12L-24 | John F. Roddy, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1068.752 1094.490 | 0.00% |
| 59 | 6-T12Q-14 | Robert L. Langmyer and Tammy M. Langmyer, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1049.696 1094.490 | 0.00% |
| 60 | 6-T12Q-18 | Lewis R. Parsons, Jr. and Alice L. Parsons, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1076.432 1094.490 | 0.00% |
| 61 | 6-T12Q-25 | Gary A. Macri, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1078.419 1094.490 | 8.33% |
| | | Jason A. Macri, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1070.758 1094.490 | |
| | | Renay D. Burger, a married woman dealing in her sole and separate property | Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1096.742 1094.490 | |
| | | Released owner (s) subject to unitization filing | N/A | N/A | N/A | |
| | | Linda Kay Myers, a single woman | Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1099.574 1094.490 | |
| 62 | 6-T12Q-40.2 | Dana J. Brandenburg, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059.23 1094.490 | 0.00% |
| 62 | 6-T12Q-40.2 | Nicole M. Bellanco, married dealing in her separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059.16 1094.490 | 0.00% |
| 63 | 6-T12Q-40.3 | Dana J. Brandenburg, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059.23 1094.490 | 0.00% |
| 63 | 6-T12Q-40.3 | Nicole M. Bellanco, married dealing in her separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1059.16 1094.490 | 0.00% |
| 64 | 6-T12Q-40.1 | Matthew D. Milliken, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1052.29 1094.490 | 0.00% |
| 64 | 6-T12Q-40.1 | Shila Jane Parsons, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1061.512 1094.490 | 0.00% |
| 64 | 6-T12Q-40.1 | Zachary Braden Parsons, married, dealing in his separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1065.295 1094.490 | 0.00% |
| 65 | 6-T12Q-41 | Dustin M. Bowman and Gina M. Bowman, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1060.1 1094.490 | 0.00% |
| 66 | 6-T12Q-42 | Albert Seabright, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1064.281 1094.490 | 0.00% |
| 67 | 6-T12Q-43 | Albert Seabright, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1064.281 1094.490 | 0.00% |
| 68 | 6-T12Q-44 | Christine A. Vopal, widow | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1075.412 1094.490 | 0.00% |
| 69 | 6-T17C-11 | Christine A. Vopal, widow | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1075.412 1094.490 | 0.00% |
| 70 | 6-T17C-12 | Eric J. Cancelli and Christy L. Cancelli, fka Christy L. Kuba, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1065.332 1094.490 | 0.00% |
| 71 | 6-T17C-13 | David D. Finger and Rachel A. Finger, fka Rachel A. Callahan, husband and wife | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1072.680 1094.490 | 0.00% |
| 72 | 6-T17-14 | John R. Marling, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1052.98 1094.490 | 0.00% |
| 73 | 6-T17-9 | Gregory W. Beall and Jill Ann Beall, husband and wife | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 800.5 900.691 885.524, 888.686 1094.490 | 0.00% |
| X50 | 16-W82-134 | Renée L. Wimer, a single woman | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1078.778 1094.490 | 0.00% |
| Y51 | 16-W82-140 | Harry Kliner, a single woman | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1044.144 1094.490 | 0.00% |
| Y103 | 6-T12Q-40.4 | Nicole M. Bellanco, a married woman dealing in her sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1092.332 1094.490 | 0.00% |
| Y103 | 6-T12Q-40.4 | Released owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| L116 | 6-T12Q-25.1 | Michael Allen Snyder, a married man dealing in his sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1074.657 1094.490 | 0.00% |
| L116 | 6-T12Q-25.1 | Released owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| L116 | 6-T12Q-25.1 | Linda Kay Myers, a single woman | Expand Appalachia LLC | at least 1.8th per WV Code §22-6-8 | 1099.537 | 0.00% |

Docket/Cause
452-587

| EXHIBIT "A" Shannon Fields OH# 8H Ohio County, West Virginia Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC, Operator | | | | | | |
|---|-------------|---|--|---------------------------------------|----------------------|--|
| # | TMP | LESSOR | LESSEE | ROYALTY | BK/PG | % INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC |
| L116 | 6-T12Q-25.1 | Unleased owner (s) subject to unitization filing | N/A | N/A | N/A | 100.00% |
| B132 | 6-T12L-23 | John F. Reddy, single | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-4 | 1048-752 1094-490 | 0.00% |
| Y155 | 10-WR2-166 | Betty L. Hindman, a single person | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-4 | 1050-224 1094-490 | 0.00% |
| Z156 | 10-WR2-164 | Lara Jean Parson, a married woman dealing in her sole and separate property | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-4 | 1040-148 1094-490 | 0.00% |
| G189 | 6-T7-03.3 | Glen Beardsford, a single man | SWN Production Company, LLC Expand Appalachia LLC | at least 1.8th per WV Code §22-6-4 | 936-252 1094-490 | 0.00% |



April 1, 2026

Mr. Charles Brewer
WV DEP Office of Oil & Gas
601 57th St., SE
Charleston, WV 25304

RE: Expand's proposed New Well: Shannon Fields OHI 8H in Ohio County, West Virginia, Drilling under Boggs Hill Road a/k/a Edgington Lane, Paul's Way, Sonneborne Road, Fitzs Drive, Park View Road, Springdale Avenue, Lincoln Avenue, Cadillac Avenue, National Road a/k/a Route 40, Interstate 70, Woodland Acres Road, Langmyer Lane, Stone Church Road, Mid Point Lane, and View Point Lane.

Dear Mr. Brewer:

Expand Operating, LLC ("Expand") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to Expand's right to drill under Boggs Hill Road a/k/a Edgington Lane, Paul's Way, Sonneborne Road, Fitzs Drive, Park View Road, Springdale Avenue, Lincoln Avenue, Cadillac Avenue, National Road a/k/a Route 40, Interstate 70, Woodland Acres Road, Langmyer Lane, Stone Church Road, Mid Point Lane, and View Point Lane. Please be advised that Expand has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Kelley Ryan".

Kelley Ryan
Landman II – SW Appalachia Division
Expand Operating LLC

Expand Energy Corporation

10000 Energy Drive / Spring, Texas 77389
346-535-0892 / / Kelley.ryan@expandenergy.com

05/15/2026

WW-6AC
(1/12)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION

Date of Notice Certification: 4/8

API No. 47- 069 - _____
 Operator's Well No. Shannon Fields OHI 8H
 Well Pad Name: Shannon Fields OHI

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

| | | |
|------------------------------------|--|--------------------------------|
| State: <u>West Virginia</u> | UTM NAD 83 | Easting: <u>529,170.617</u> |
| County: <u>069-Ohio</u> | | Northing: <u>4,437,617.249</u> |
| District: <u>Richland</u> | Public Road Access: <u>Boggs Hill Road (County Route 15/1)</u> | |
| Quadrangle: <u>Wheeling</u> | Generally used farm name: <u>Shannon Fields OHI</u> | |
| Watershed: <u>Upper Ohio South</u> | | |

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

| | |
|--|--|
| <p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p> | <p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> |
|--|--|

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

05/15/2026

WW-6AC
(1/12)

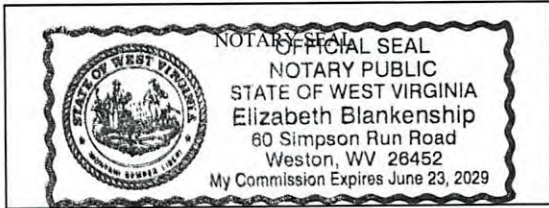
Certification of Notice is hereby given:

THEREFORE, I Brittany Woody, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Expand Operating LLC
By: Brittany Woody
Its: Senior Regulatory Analyst
Telephone: 304-209-5688

Brittany Woody

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Facsimile: 304-884-1690
Email: Brittany.Woody@expandenergy.com



Subscribed and sworn before me this 4 day of Dec 2025
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A
(9-13)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OH# 8H
Well Pad Name: Shannon Fields OH#

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION**

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 4/8 Date Permit Application Filed: 4/8

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)
Name: Expand Appalachia, LLC Attn: Bob Laine
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: _____
Address: _____
Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: H3, LLC
Address: 1483 Johns Creek Road
Milton, WV 25541

COAL OPERATOR
Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: See Attachment 13A
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 - _____
 OPERATOR WELL NO. Shannon Fields OHI 8H
 Well Pad Name: Shannon Fields OHI

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

05/15/2026

WW-6A
(8-13)

API NO. 47-069 - _____
OPERATOR WELL NO. Shannon Fields OHI 8H
Well Pad Name: Shannon Fields OHI

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 - _____
 OPERATOR WELL NO. Shannon Fields OHI 8H
 Well Pad Name: Shannon Fields OHI _____

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 - _____
OPERATOR WELL NO. Shannon Fields OHI 8H
Well Pad Name: Shannon Fields OHI

Notice is hereby given by:

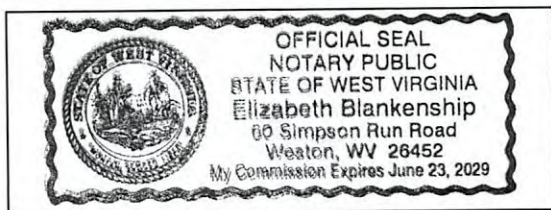
Well Operator: Expand Operating LLC
Telephone: 304-209-5688
Email: Brittany.Woody@expandenergy.com

Brittany Woody

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



Subscribed and sworn before me this 4 day of Dec 2025.
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

| PARCEL_ID | OWNER | ADDRESS | CITY STATE ZIP | Water Source |
|--------------------|---------------------|-------------------|-------------------|--------------|
| 04 R17002300030000 | Richard P Carter | 190 BOGGS HILL RD | WHEELING WV 26003 | 1 |
| 04 R17001900000000 | Nada E Beneke Et Al | 199 BOGGS HILL RD | WHEELING WV 26003 | 1 |

WW-6A3
(1/12)

Operator Well No. Shannon Fields OHI

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 11/24/25 **Date of Planned Entry:** 12/1/2025

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE REGISTERED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)

Name: Expand Appalachia LLC Attn: Bob Laine
Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: H3, LLC
Address: 1483 Johns Creek Rd
Milton, WV 25541

MINERAL OWNER(s)

Name: Shannon Field, LLC
Address: 10288 Amberwood Court
Cincinnati, OH 45241

*please attach additional forms if necessary

FILED
Office of Oil and Gas

APR 09 2026

WV Department of
Environmental Protection

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia
County: Ohio
District: Richland
Quadrangle: Wheeling

Approx. Latitude & Longitude: 40.088496, -80.6567667
Public Road Access: Boggs Hill Road (Country Route 15/1)
Watershed: Upper Ohio- Wheeling
Generally used farm name: Shannon Field

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Expand Energy
Telephone: 304-209-5688
Email: Brittany.Woody@expandenergy.com

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
Facsimile: _____

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

05/15/2026

WW-6A5
(1/12)Operator Well No. Shannon Fields OHI BH

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 12/17/2025 **Date Permit Application Filed:** 4/9

RECEIVED
Office of Oil and Gas
APR 09 2026
WV Department of Environmental Protection

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: EXPAND APPALACHIA LLC Name: _____
Address: 1300 FORT PIERPONT DRIVE, SUITE 201 Address: _____
MORGANTOWN, WV 26508 _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

| | | | | |
|-------------|-------------------------|---------------------------|------------------------------------|--------------------|
| State: | <u>WV</u> | UTM NAD 83 | Easting: | <u>529170.617</u> |
| County: | <u>OHIO</u> | | Northing: | <u>4437617.249</u> |
| District: | <u>RICHLAND</u> | Public Road Access: | <u>BOGGS HILL ROAD</u> | |
| Quadrangle: | <u>WHEELING</u> | Generally used farm name: | <u>SHANNON FIELDS OHI WELL PAD</u> | |
| Watershed: | <u>UPPER OHIO SOUTH</u> | | | |

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

| | | | |
|----------------|------------------------------------|------------|--|
| Well Operator: | <u>EXPAND APPALACHIA LLC</u> | Address: | <u>1300 FORT PIERPONT DRIVE, SUITE 201</u> |
| Telephone: | <u>304-231-8329</u> | | <u>MORGANTOWN</u> |
| Email: | <u>reid.croft@expandenergy.com</u> | Facsimile: | _____ |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

05/15/2026



**WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION**

1900 Kanawha Boulevard East • Building Five • Room 109
Charleston, West Virginia 25305-0440 • (304) 558-0444

Michael J. DeMers
Deputy Secretary of Transportation

Stephen T. Rumbaugh, P.E.
Secretary of Transportation
Commissioner of Highways

August 25, 2025

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the Shannon Fields Well Pad, Ohio County
Shannon Fields OHI 6H Well Site Shannon Fields OHI 8H Well Site
Shannon Fields OHI 201H Well Site Shannon Fields OHI 206H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2022-0043 which has been transferred to Expand Operating, LLC for access to the State Road for a well site located off Ohio County Route 15/1 SLS MP 3.41.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Lacy D. Pratt
Central Office O&G Coordinator

Cc: Brittany Woody
SWN Production Company, LLC
OM, D-6
File

Attachment VI Frac Additives

| Product Name | Product Use | Chemical Name | CAS Number |
|----------------------|---------------------|--|--------------------------|
| HCL | Solvent | Hydrochloric Acid | 7647-01-0 |
| | | Water | 7732-18-5 |
| FSTI-CI-02 | Corrosion Inhibitor | 2-Butoxyethanol | 111-76-2 |
| | | Ethylene glycol | 107-21-1 |
| | | N,N-Dimethylformamide | 68-12-2 |
| | | benzyl chloridequaternized | 72480-70-7 |
| | | Cinnamaldehyde | 104-55-2 |
| | | Isopropyl alcohol | 67-63-0 |
| | | Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)- .omega.-hydroxy- | 9016-45-9 |
| | | 1-Decanol | 112-30-1 |
| | | 1-Octanol | 111-87-5 |
| | | Triethyl phosphate | 78-40-0 |
| Ferriplex 80 | Iron Control | Sodium Erythorbate | 6381-77-7 |
| Tolicide 4Frac | Biocide | Tetrakis(Hydroxymethyl) Phosphonium Sulfate | 55566-30-8 |
| | | Quaternary ammonium compounds | 68424-85-1 |
| | | Ethanol | 64-17-5 |
| | | Water | 7732-18-5 |
| Plexslick 930 | Friction Reducer | Hydrotreated Petroleum Distillate | 64742-47-8 |
| | | Water | 7732-18-5 |
| | | copolymer of 2-propenamide | 69418-26-4 |
| | | Oleic Acid Diethanolamide | 93-83-4 |
| | | Alcohol Ethoxylate Surfactants | 68551-12-2 |
| | | Ammonium Chloride | 12125-02-9 |
| | | Sodium Chloride | 7647-14-5 |
| | | | |
| Plexaid 655NM | Scale Inhibitor | Water | 7732-18-5 |
| Plexslick V996 | Friction Reducer | Hydrotreated Petroleum Distillate | 64742-47-8 |
| | | Water | 7732-18-5 |
| | | copolymer of 2-propenamide | 69418-26-4 |
| | | Alcohol Ethoxylate Surfactants | 68551-12-2 |
| | | Sodium Chloride | 7647-14-5 |
| Plexaid 655WG | Scale Inhibitor | ORGANIC PHOSPHONIC ACIDS SALTS | 15827-60-8 |
| | | Water | 7732-18-5 |
| | | Glycerin | 67-56-1 |
| Clearal 270 | Biocide | Glutaraldehyde | 111-30-8 |
| | | Didecyldimethylammonium Chloride | 7173-51-5 |
| | | Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides | 68424-85-1 |
| | | Ethanol | 64-17-5 |
| | | Water | 7732-18-5 |
| StimSTREAM SC 398 CW | Scale Inhibitor | Ethylene glycol | 107-21-1 |
| | | CHEMSTREAM-Polymer-10001 | CHEMSTREAM-Polymer-10001 |
| | | CHEMSTREAM-Polymer-10002 | CHEMSTREAM-Polymer-10002 |
| | | Water | 7732-18-5 |
| StimSTREAM FR 9800 | Friction Reducer | Chemstream-Alkane-00001 | Chemstream-Alkane-00001 |
| | | Chemstream-Polymer-00001 | Chemstream-Polymer-00001 |
| | | Ethoxylated alcohols (C12-16) | 68551-12-2 |
| | | Water | 7732-18-5 |
| StimSTREAM FR 2800 | Friction Reducer | Distillates (petroleum), hydrotreated light | 64742-47-8 |
| | | Alcohols, C11-14-iso, C13-rich, ethoxylated | 78330-21-9 |
| | | Water | 7732-18-5 |
| StimSTREAM FR 9725 | Friction Reducer | Distillates (petroleum), hydrotreated light | 64742-47-8 |
| | | Ammonium Chloride | 12125-02-9 |
| | | Water | 7732-18-5 |
| StimSTREAM SC 398 C | Scale Inhibitor | CHEMSTREAM-Polymer-10001 | CHEMSTREAM-Polymer-10001 |
| | | CHEMSTREAM-Polymer-10002 | CHEMSTREAM-Polymer-10002 |
| | | Water | 7732-18-5 |

As of 7/5/2023

RECEIVED
Office of Oil and Gas
APR 09 2026
NY Department of
Environmental Protection

05/15/2026

WW-6A7
(6-12)

OPERATOR: Expand Operating LLC WELL NO: Shannon Fields OHI 8H

PAD NAME: Shannon Fields OHI

REVIEWED BY: _____ SIGNATURE: Bethany Hoody

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

RECEIVED
Office of Oil and Gas
APR 09 2026
NY Department of
Environmental Protection

Well Restrictions

****Pad Build 3/1/22**

- At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
- DEP Waiver and Permit Conditions
- At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
- DEP Waiver and Permit Conditions
- At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
- DEP Waiver and Permit Conditions
- At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
- Surface Owner Waiver and Recorded with County Clerk, OR
- DEP Variance and Permit Conditions
- At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
- Surface Owner Waiver and Recorded with County Clerk, OR
- DEP Variance and Permit Conditions
- At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR
- Surface Owner Waiver and Recorded with County Clerk, OR
- DEP Variance and Permit Conditions

05/15/2026