



---

west virginia department of environmental protection

---

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://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 206H  
47-069-00383-00-00

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.

A handwritten signature in black ink, appearing to read 'Jason Harmon', is positioned above the printed name.

H. Jason Harmon  
Acting Chief

Operator's Well Number: Shannon Fields OHI 206H  
Farm Name: Expand Appalachia LLC  
U.S. WELL NUMBER: 47-069-00383-00-00  
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 206H  
Well Pad Name: Shannon Fields OHI

18) **CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size (in)</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling (ft)</b>	<b>INTERVALS: Left in Well (ft)</b>	<b>CEMENT: Fill-up (Cu. Ft.)/CTS</b>
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#	29,588'	29,588'	Tail 5613sx/ 100' Inside Intermediate
Tubing							
Liners							

<b>TYPE</b>	<b>Size (in)</b>	<b>Wellbore Diameter (in)</b>	<b>Wall Thickness (in)</b>	<b>Burst Pressure (psi)</b>	<b>Anticipated Max. Internal Pressure (psi)</b>	<b>Cement Type</b>	<b>Cement Yield (cu. ft./k)</b>
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							

RECEIVED  
Office of Oil and Gas

APR 09 2026

WV Department of  
Environmental Protection

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

*Strader Gower*  
03/31/2026

WW-6B  
(10/14)

API NO. 47- 069 - \_\_\_\_\_  
OPERATOR WELL NO. Shannon Fields OHI 206H  
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.

RECEIVED  
Office of Oil and Gas

APR 09 2026

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

See Attachment \*\*\*

WV Department of  
Environmental Protection

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.

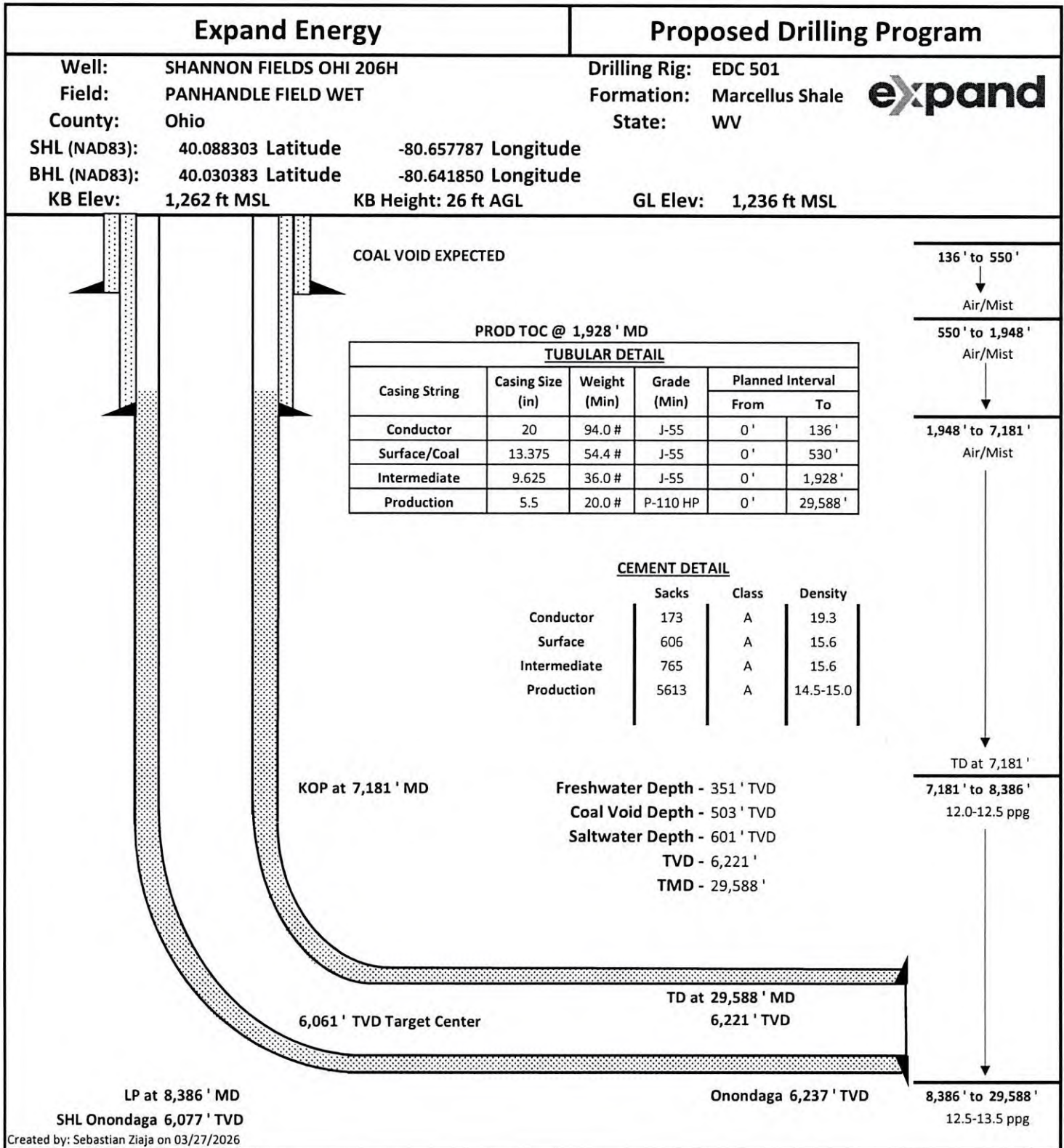
CEMENT ADDITIVES						
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER) <small>up to 3%</small>	<del>XXXXXXXXXX</del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	0110	ACCELERATOR	CALCIUM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

RECEIVED  
Office of Oil and Gas

APR 09 2026

BY Department of  
Environmental Protection

05/15/2026



*Strader Gower*  
03/31/2026

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

05/15/2026



**Brittany Woody**  
Staff Regulatory Specialist

**December 3, 2025**

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

**RE: Proposed New Well: Shannon Fields OHI 206H**

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,

Brittany Woody  
Senior Regulatory Analyst  
Expand Energy

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

WW-9  
(4/16)

API Number 47 - 069 - \_\_\_\_\_  
Operator's Well No. Shannon Fields OHI 206H

**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 )

RECEIVED  
Office of Oil and Gas

APR 09 2026

WV Department of  
Environmental Protection

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 U6-U8438, 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

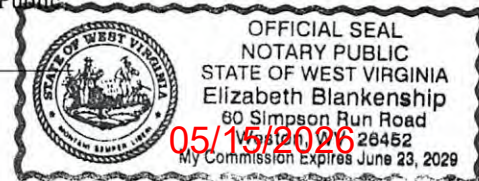
Company Official Title Senior Regulatory Analyst

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

*Elizabeth Blankenship*

Notary Public

My commission expires 6/23/2029



Form WW-9

Operator's Well No. Shannon Fields OHI 206H

**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

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

**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 GOWER

Comments: \_\_\_\_\_

Title: Oil & Gas Inspector

Date: 2/17/2026

Field Reviewed? (  ) Yes (  ) No

05/15/2026

RECEIVED  
Office of Oil and Gas

APR 09 2026

NY Department of  
Environmental Conservation

## 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.

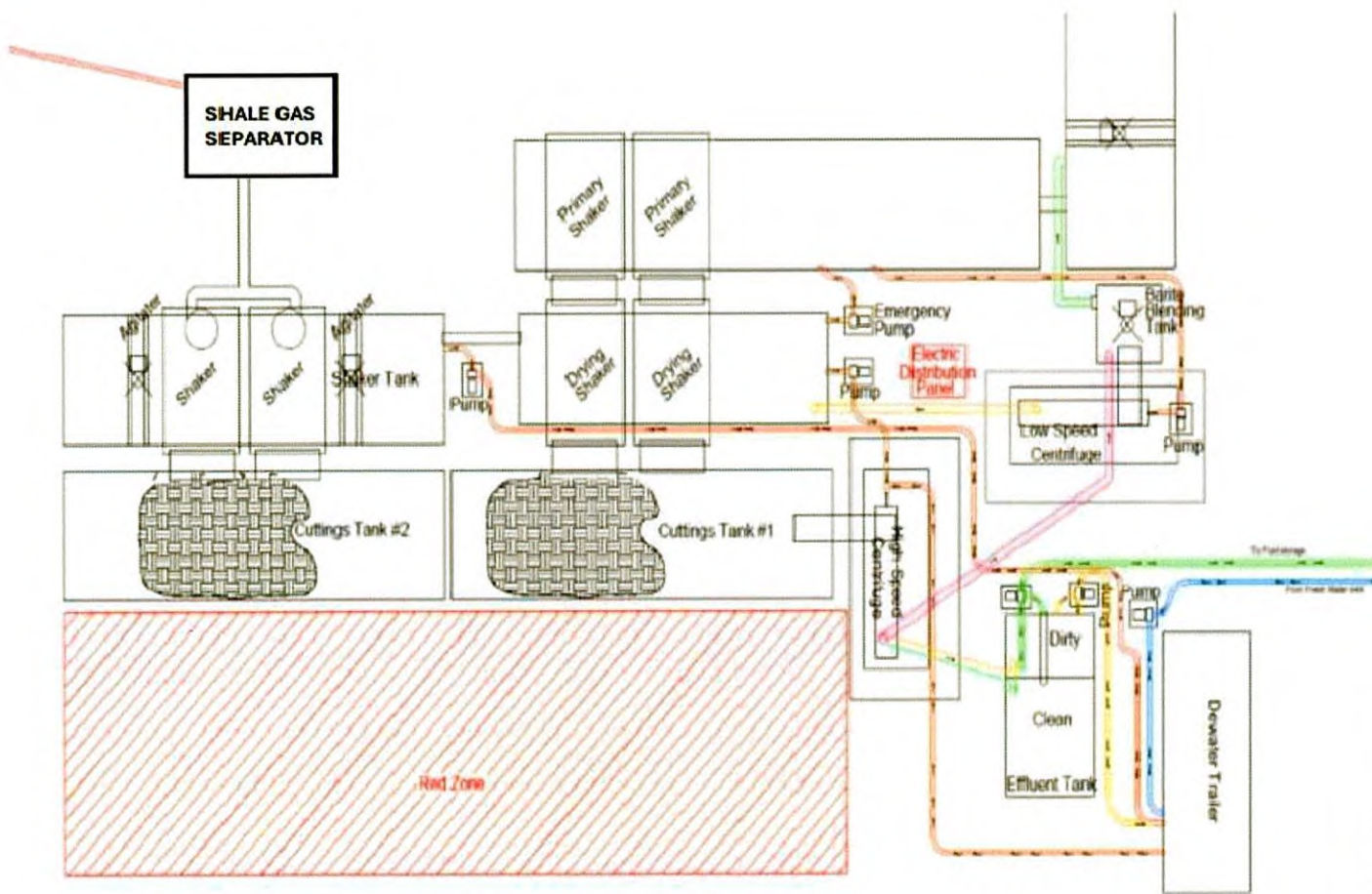
## LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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.

3.10.2025

05/15/2026

# Solids Control Layout



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

## 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


RECEIVED  
Office of Oil and Gas

APR 09 2026

WV Department of  
Environmental Protection

05/15/2026

Attachment 3C

		<h2 style="margin: 0;">WVD Seeding Specification</h2>	
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)			
<b>NON-ORGANIC PROPERTIES</b>		<b>ORGANIC PROPERTIES</b>	
<b>Seed Mixture: ROW Mix</b>	<b>SWN Supplied</b>	<b>Seed Mixture: Expand Production Organic Mix</b>	<b>Expand Supplied</b>
Orchardgrass	40%	Organic Timothy	50%
Timothy	15%	Organic Red or White Clover	50%
Annual Ryegrass	15%	OR	
Brown Top Millet	5%	Organic Perennial Ryegrass	50%
Red Top	5%	Organic Red or White Clover	50%
Medium Red Clover	5%	<b>Apply @ 100lbs per acre</b>	<b>Apply @ 200lbs per acre</b>
White Clover	5%	<b>April 16th- Oct. 14th</b>	<b>Oct. 15th- April 15th</b>
Birdsfoot Trefoil	5%		
Rough Bluegrass	5%	<b>Organic Fertilizer @ 200lbs per Acre</b>	<b>Pelletized Lime @ 2 Tons per Acre</b>
	All legumes are innoculated at 5x normal rate		
<b>Apply @ 100lbs per acre</b>	<b>Apply @ 200lbs per acre</b>		
<b>April 16th- Oct. 14th</b>	<b>Oct. 15th- April 15th PLUS</b>		
	<b>50lbs per acre of Winter Wheat</b>		
<b>SOIL AMENDMENTS</b>		<b>WETLANDS (delineated as jurisdictional wetlands)</b>	
10-20-20 Fertilizer	*Apply @ 500lbs per Acre	<b>Seed Mixture: Wetland Mix</b>	<b>Expand Supplied</b>
Pelletized Lime	Apply @ 2 Tons per Acre	VA Wild Ryegrass	20%
	*unless otherwise dictated by soil test results	Annual Ryegrass	20%
<b>Seeding Calculation Information:</b>		Fowl Bluegrass	20%
1452' of 30' ROW/LOD is One Acre		Cosmos 'Sensation'	10%
871' of 50' ROW/LOD is One Acre		Redtop	5%
622' of 70' ROW/LOD is One Acre		Golden Tickseed	5%
<b>Synopsis:</b>		Maryland Senna	5%
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).		Showy Tickseed	5%
<b>Special Considerations:</b>		Fox Sedge	2.5%
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.		Soft Rush	2.5%
		Woolgrass	2.5%
		Swamp Verbena	2.5%
		<b>Apply @ 25lbs per acre</b>	<b>Apply @ 50lbs per acre</b>
		<b>April 16th- Oct. 14th</b>	<b>Oct. 15th- April 15th</b>
		<b>NO FERTILIZER OR LIME INSIDE WETLAND LIMITS</b>	

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

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



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

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

**API NO. 47-XXX-XXXXX**  
**WELL NAME: Shannon Fields OHI 206H**  
**Wheeling QUAD**  
**Richland DISTRICT**  
**OHIO COUNTY, WEST VIRGINIA**

Submitted by:

Name: Brittany Woody

Date: 12/3/2025

*Brittany Woody*

Title: Senior Regulatory Analyst

Expand Energy

Approved by:

Name: STRADER GOWER

Date: 2/12/2024

Title: Oil & Gas Inspector

Approved by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

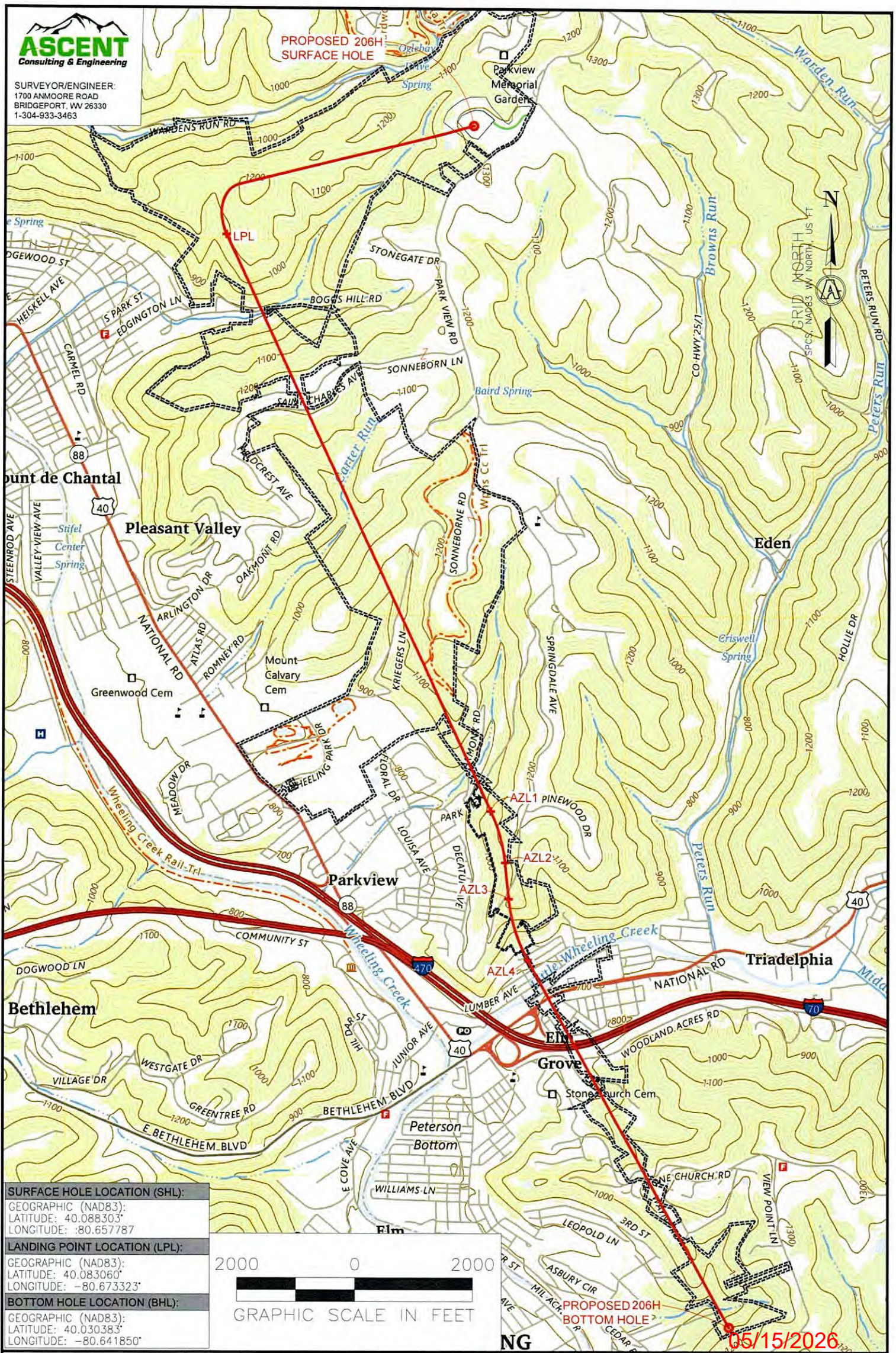
Title: \_\_\_\_\_

Expand Energy – CONFIDENTIAL

05/15/2026



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



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.088303° LONGITUDE: -80.657787
<b>LANDING POINT LOCATION (LPL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.083060° LONGITUDE: -80.673323°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.030383° LONGITUDE: -80.641850°



**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. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

<b>LEGEND:</b>	— SURVEYED BOUNDARY
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT
☼ EXISTING / PRODUCING WELLHEAD	— LEASE BOUNDARY
LPL * LANDING POINT LOCATION	— ASDRILLED PATH
⊕ EXISTING WATER WELL	— PROPOSED PATH
⊙ EXISTING SPRING	— DHP BUFFER
	400' 1,500' 3,000'

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SHANNON FIELDS OHI	WELL # 206H	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 9,171'

LATITUDE :40°02'30"

BOTTOM HOLE 4,717'



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

**SURFACE HOLE LOCATION (SHL):**

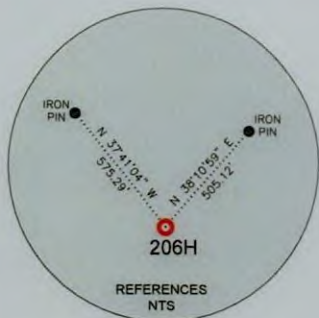
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,437,614.155  
EASTING: 529,173.552

**LANDING POINT LOCATION (LPL):**

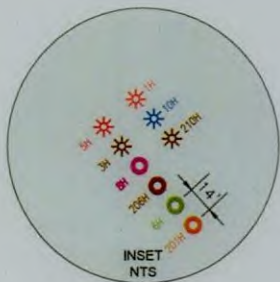
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,437,027.280  
EASTING: 527,851.257

**BOTTOM HOLE LOCATION (BHL):**

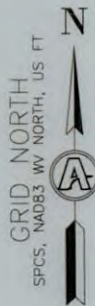
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,431,190.894  
EASTING: 530,558.085



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 73°57'25" W	768.19'	SHL TO LANDMARK	STONE FOUND
L2	N 25°56'06" E	988.91'	SHL TO LANDMARK	CONCRETE MONUMENT



LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 66°04'01" W	4,746.32'	5,269.12'	SHL TO LPL
L4	S 24°54'48" E	11,113.54'	11,113.54'	AZL1 TO AZL2
L5	S 15°26'18" E	942.71'	946.89'	AZL2 TO AZL3
L6	S 05°57'51" E	631.33'	631.33'	AZL3 TO AZL4
L7	S 17°22'28" E	1,132.99'	1,140.52'	AZL4 TO AZL5
L8	S 28°47'06" E	7,360.44'	7,360.44'	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.

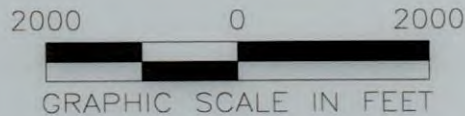
**NOTES ON SURVEY**

- 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

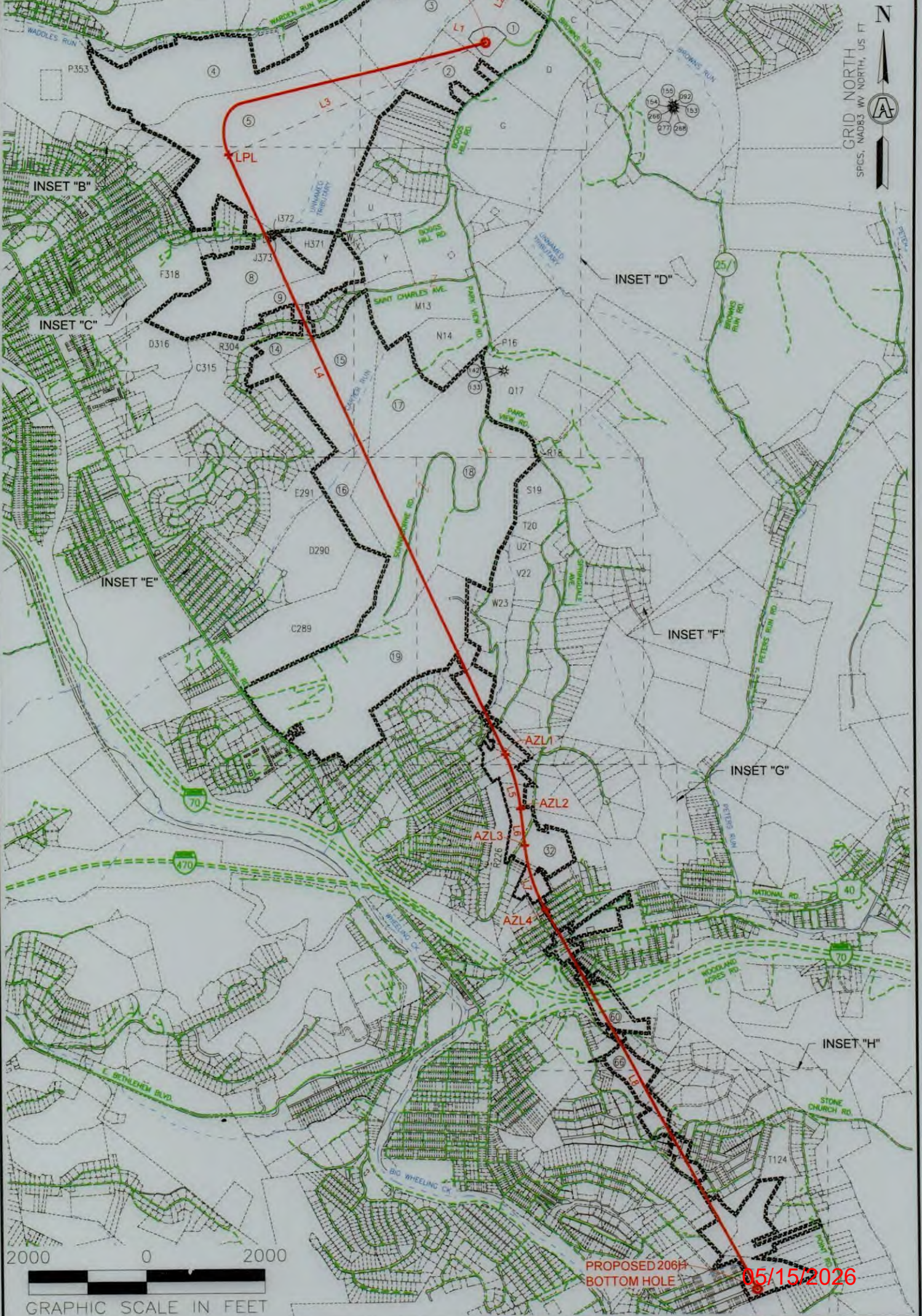


	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: 206H
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY GRADE GPS SOURCE OF ELEVATION: (NAVD 88, US FT)	API WELL #: 47 69 00383 STATE COUNTY PERMIT
WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>			
WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,235.86			
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 <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/>			
CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY) <b>05/15/2026</b>			
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,221' TVD 29,588' TMD			
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	
<b>LEGEND:</b> ● PROPOSED SURFACE HOLE / BOTTOM HOLE ☼ EXISTING / PRODUCING WELLHEAD (W) EXISTING WATER WELL (S) EXISTING SPRING		<b>REVISIONS:</b> — SURVEYED BOUNDARY — DRILLING LOG = LEASE BOUNDARY - - - 500' OFFSET LINE — PROPOSED PATH	
		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

PROPOSED 206H  
 SURFACE HOLE



05/15/2026

REVISIONS:	

COMPANY:				DATE: 03-31-2026	
OPERATOR'S				SHANNON FIELDS OHI	
WELL #:		206H		DRAWN BY: TMF	
DISTRICT:		COUNTY:		SCALE: N/A	
RICHLAND		OHIO		DRAWING NO: 2326	
		STATE:		WELL LOCATION PLAT	
		WV			



**INSET "A"**

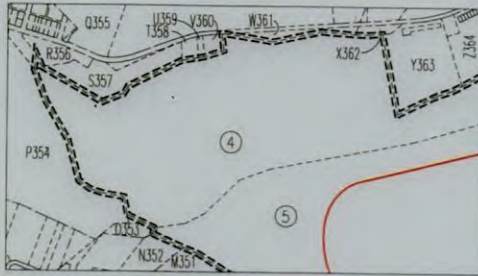


**INSET "D"**



**INSET "F"**

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



**INSET "B"**



MATCH LINE "E"

**INSET "C"**



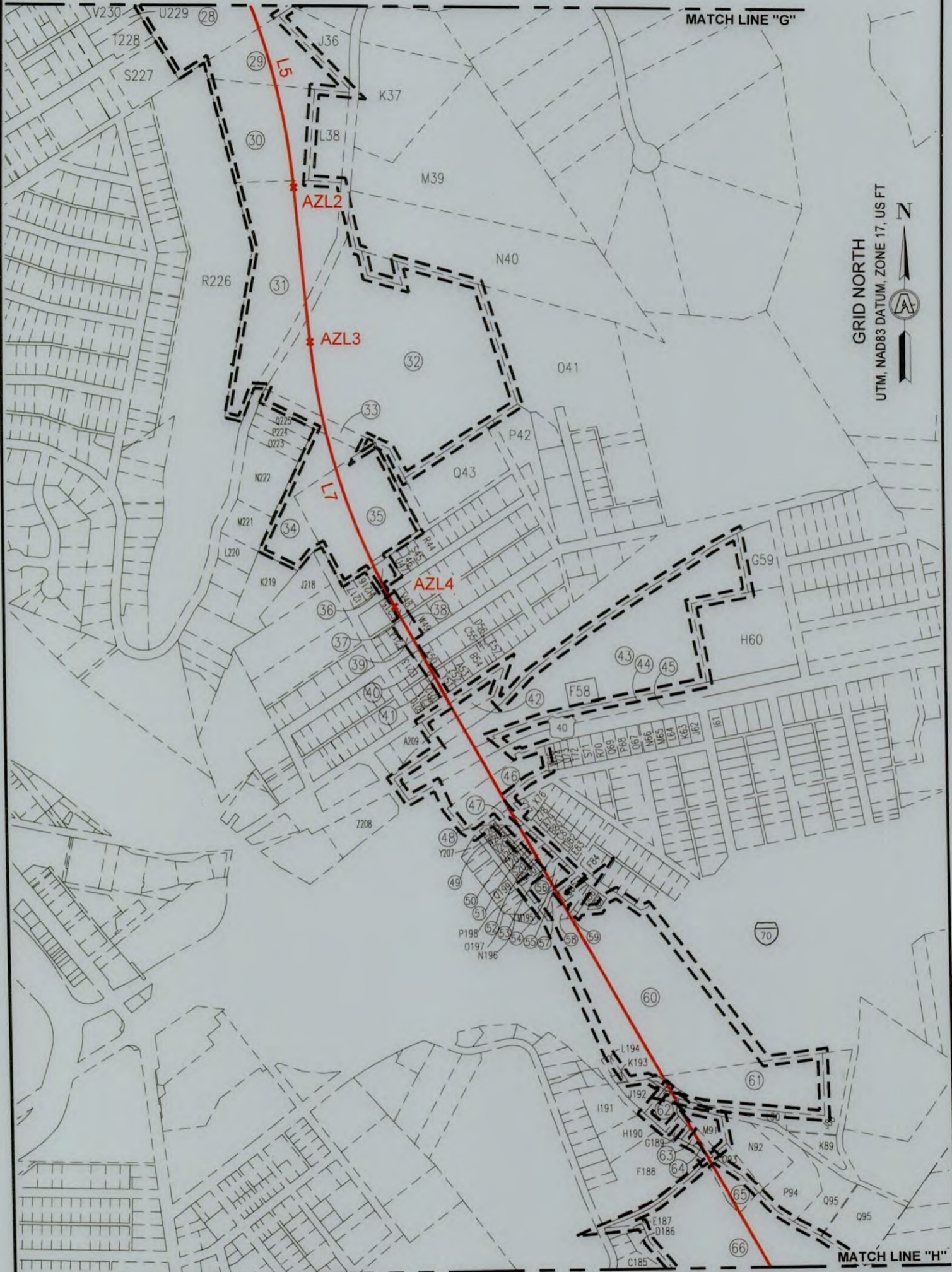
**INSET "E" 05/15/2026**

REVISIONS:

COMPANY:			
OPERATOR'S			
WELL #:	206H	DATE:	03-31-2026
DISTRICT:	RICHLAND	COUNTY:	OHIO
		STATE:	WV
			DRAWN BY: TMF
			SCALE: N/A
			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

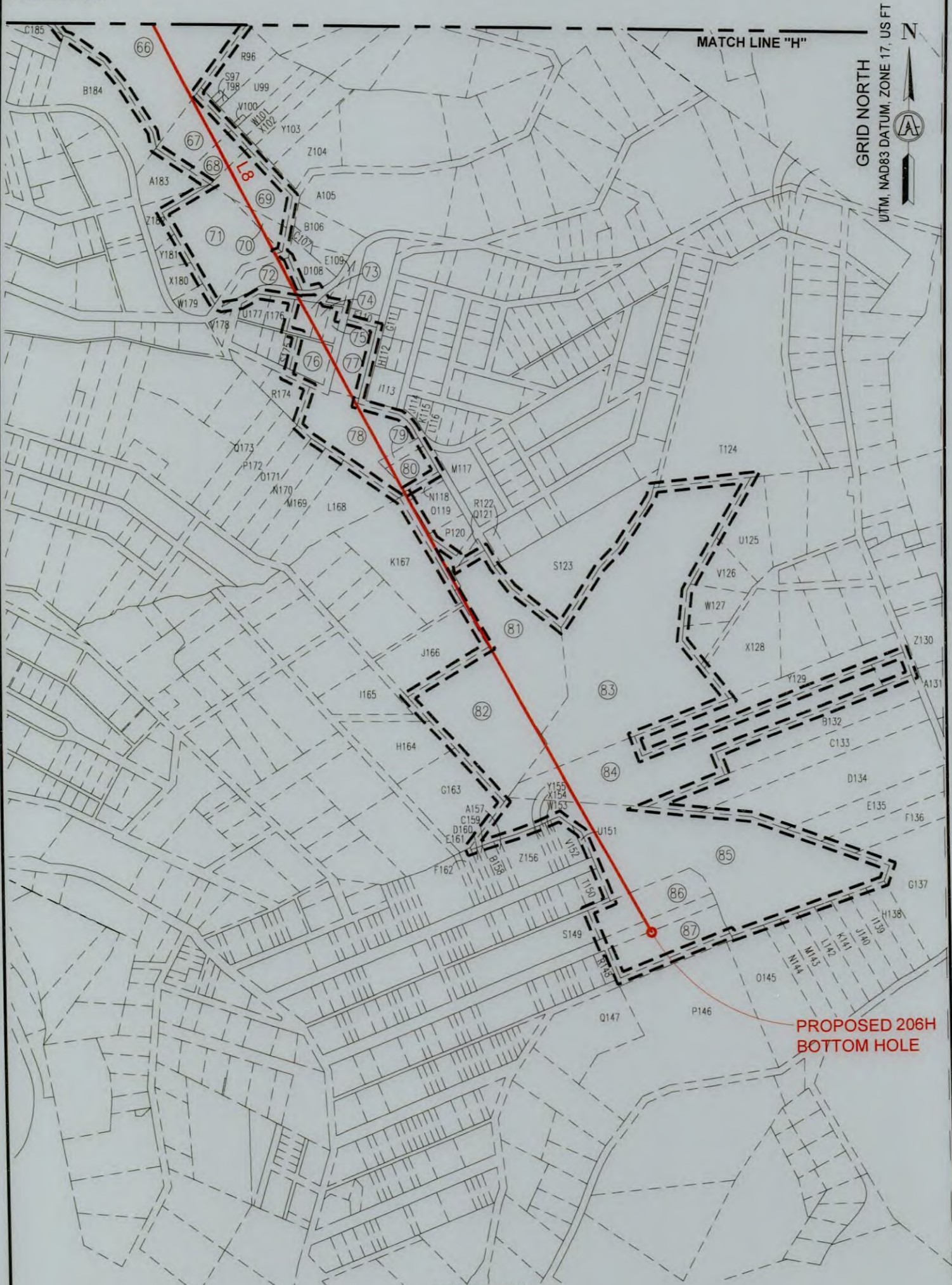
INSET "G"  
 SCALE: 1"=500'

05/15/2026

REVISIONS:	COMPANY:		DATE: 03-31-2026
	OPERATOR'S	SHANNON FIELDS OHI	
	WELL #:	206H	
	DISTRICT:	COUNTY:	STATE:
	RICHLAND	OHIO	WV
			DRAWN BY: TMF
			SCALE: N/A
			DRAWING NO: 2326
			WELL LOCATION PLAT



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



**INSET "H"**  
 SCALE: 1"=500'

05/15/2026

REVISIONS:


COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

WELL #:

206H

DISTRICT:  
 RICHLAND

COUNTY:  
 OHIO

STATE:  
 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

**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	PACHUTA KAREN A & VARONE K J	6-T2-3
V	BLATT TRISTEN M	6-T2-4
W	WALTER MATTHEW C	6-T1-3
X	WALTER MATTHEW C	6-T1-3.1
Y	CERRA MARGUERITE M - TOD	6-T2-7
Z	WRIGHT MARTHA J	10-W41A-28
A1	PERRY LEWIS A JR & SHARON L	10-W41A-11
B2	COONEY ANDREW R	10-W41A-10
C3	HOHMAN PAUL W	10-W41A-9
D4	LOY SEAN D & MICHELLE S	10-W41A-8
E5	KELLAS SHERRI K - TOD	10-W41A-7
F6	BOFFA DANIEL E & ANDREA M	10-W41A-21
G7	WALTERS JOHN S & JODI M	10-W41A-13
H8	MONAHAN RICHARD A & MARILYN M	10-W41A-12
I9	KIGER JUSTIN T & NIKKI S	10-W41A-6
J10	RCK 2 GROUP LLC VOGRIN STEPHEN T	10-W41A-1
K11	GRUBER JUSTINE G	10-W41A-2
L12	GRUBER JUSTINE G	10-W41A-3
M13	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	6-T2-11
N14	VOGRIN STEPHEN T & MICHELLE L	6-T2-13
O15	CAMPBELL KIMBERLY M	6-T2-13.2
P16	WHEELING PARK COMMISSION	6-T2-17
Q17	WHEELING PARK COMMISSION	6-T7-95
R18	BOARD OF EDUCATION OF OHIO COUNTY	10-W56-4
S19	BOARD OF EDUCATION	10-W56-2
T20	HINDERLITER BRIAN M	6-T7-6.4
U21	ADAMS MARY S	6-T7-9
V22	ADAMS MARY S	6-T7-10
W23	MISZAROS ARNOLD P JR	6-T7-14
X24	JOSEPH PATTY J	6-T7-15
Y25	NICKERSON DOUGLAS E & A E	6-T7-16
Z26	HESLOP PAMELA JEAN	6-T7-18
A27	HESLOP PAMELA JEAN	6-T7-24
B28	HOCKENBERRY JOHN R	6-T7-24.4
C29	PRAGER SUZANNE	6-T7-22.1
D30	SOVINSKY TYLER E	6-T7-31
E31	MCDERMOTT PAULA JEAN	6-T7-28
F32	CORKRAN EARLE LEE & EY AL	6-T7-36

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

**ADJOINING OWNERS TABLE**

TRACT	SURFACE OWNER	TAX PARCEL
G33	CORKRAN VIRGINIA ANN	6-T7-63
H34	CALDWELL NOEL G & MARY	10-W71-10.1
I35	ROBINSON BRANDON N WANDLING KRISTEN G	10-W71-10
J36	RICHARDS DAVID & CINDY	10-W71-10.2
K37	LOEFFLER KEITH L & JOAN LESLIE	10-W76-1.12
L38	RICHARDS DAVID M & CINDY S	10-W76-1.13
M39	LOEFFLER KENNETH L & SVETLANA	10-W76-1.1
N40	TURNER ELAINE E	10-W76-1.11
O41	GILBERT JOSEPH W	10-W76-8
P42	CROFT HARRY N & FLORENCE G	10-W76-1.6
Q43	CROFT HARRY NELSON JR CROFT RACHEL	10-W76-3
R44	CITY OF WHEELING	10-W82-107
S45	CROFT HARRY N & FLORENCE G	10-W82-106
T46	CROFT HARRY N	10-W82-105
U47	CROFT HARRY N SR & F G	10-W82-104
V48	GROVES JR JOHN W	10-W82-96
W49	KENT ROGER L JR ET AL	10-W82-76
X50	TANKOVITS EMILY A	10-W82-66
Y51	MOSKITIS JOSEPH D	10-W82-45
Z52	LOWE SAVANNAH & ROBERT J	10-W82-46
A53	RUSSO ERIC A PORTER TERRY L JR	10-W82-47
B54	KRIPP LOIS & P O & J M	10-W82-48
C55	GILA PROPERTIES & MGMT LLC	10-W82-49
D56	GILA PROPERTIES & MGMT LLC	10-W82-49.1
E57	LAKEMAN DERRICK E & MARIANNE	10-W82-50
F58	NNN REIT LP	10-W82-118.10
G59	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118.1
H60	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118.2
I61	KERNS PEGGY S & JASON E JOSEPH	10-W82-217
J62	BITZER JOHNNY JR	10-W82-259
K63	LUDEWIG CHARLES W & TRACY S	10-W82-260
L64	MILLER EDWARD L & J E	10-W82-261
M65	MCGAHA MONA LEE	10-W82-262
N66	ELLIOTT GERALD R	10-W82-263
O67	HORBATAK MICHELLE	10-W82-281
P68	DOBRYNSKI W G & T L RES'V LE)	10-W82-28
Q69	FREED JOHN D & KATHERINE E	10-W82-283
R70	BUSICK VIRGINIA S - TOD	10-W82-284
S71	BIENIEK SR DAVID W	10-W82-285
T72	WETZEL KELLI R	10-W82-286
U73	HENNEN MARY S	10-W82-287
V74	COURY KRISTIN	10-W82-287.1
W75	LUCATORTO MICHAEL	10-W82-287.2
X76	CHANNELL ZACHARY COLE	10-W82-293
Y77	HUONG THI THU NGUYEN	10-W82-294
Z78	BAILEY SANDRA L - TOD	10-W82-295.1
A79	BAILEY SANDRA L - TOD	10-W82-341
B80	GOODWIN DEMITRIA M	10-W82-340
C81	LEWYN CLAY W & J M	10-W82-339
D82	WIRTH MARK STEPHEN	10-W82-338
E83	WHEELING REAL ESTATE DEVELOPMENT LLC	10-W82-337
F84	BALLARD ALLISON N	10-W82-335
G85	Z & S PROPERTIES LLC	10-W82-350
H86	Z & S PROPERTIES LLC	10-W82-351
I87	HUPP JASON & KIRSTIE	10-W82-352
J88	MIRANDY STEPHEN M & WENDY L	6-T12F-11
K89	MIRANDY STEPHEN M & WENDY L	6-T12K-91
L90	DOUGHERTY DAVID L & LORETTA M	6-T12F-11.1
M91	MIRANDY STEPHEN M & WENDY L	6-T12F-15
N92	DOUGHERTY DAVID C & TAMMY L	6-T12F-15.1
O93	THARP KELLEY	6-T12K-91.1
P94	DOUGHERTY DAVID L & LORETTA M DOUGHERTY - TOD	6-T12K-91.3

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING 03/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

206H

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
Q95	MIRANDY STEPHEN M & WENDY L	6-T12K-91
R96	KENT DAVID & MARYANN E	6-T12K-121
S97	REAL ESTATE FINANCE CO C/O LAWHEAD C E RECEIVER	6-T12K-123
T98	KENT DAVID & MARYANN	6-T12K-122
U99	KENT DAVID S	6-T12K-119
V100	KENT DAVID S & M E	6-T12K-120
W101	KENT DAVID S	6-T12K-118
X102	KENT DAVID S & MARY ANN E	6-T12K-117
Y103	SHIELDS ALFRED & D M C/O BROCK WILLIAM	6-T12K-116
Z104	KENT JEFFREY D AND KELLY J	6-T12K-115
A105	MCKENNEN JERRY & DEBRA	6-T12K-139
B106	ARENSBERG D C & N L -SELLERS HUMES WILLARD L -BUYER	6-T12K-138.1
C107	HELMICK MARI ANN ESTATE	6-T12K-137
D108	HELMICK MARI ANN ESTATE	6-T12K-136
E109	WILBERT S MILLER; MARCELLA R WOLOSHAN	
F110	MCGINNIS CODY	6-T12P-170
G111	CROWDER CARLOTTA & GENE P	6-T12P-170.3
H112	WARD SANDRA ET AL	6-T12P-170.1
I113	HOWARD THOMAS J	6-T12P-171
J114	BAKER F PAUL NICK JOHN G & NICK PATTY	6-T12P-197
K115	NICK JOHN G	6-T12P-198
L116	BAKER F PAUL NICK JOHN G & NICK PATTY	6-T12P-199
M117	BAKER F PAUL NICK JOHN G & NICK PATTY	6-T12P-219
N118	HOWARD THOMAS J	6-T12P-210
O119	KEENAN ANNA I	6-T12P-213
P120	DERR ALFRED	6-T12P-216
Q121	KILGORE ROBERT A	6-T12P-217
R122	MCGINNIS CODY L	6-T12P-256
S123	TREIBER BONNIE J	6-T12P-265
T124	LANGMYER ROBERT L & TAMMY M	6-T12Q-14
U125	WAKEFIELD LESTER L & L EVA	6-T12Q-20
V126	STEVEY AGNES ET AL	6-T12Q-22
W127	DOYLE-ENNIS TRACY L	6-T12Q-22.1
X128	WOOD CINDY P	6-T12Q-26
Y129	KAPPAS PAULA & MARK	6-T12Q-30.2
Z130	MILLIKEN MATTHEW DALE	6-T12Q-40.1
A131	VANFOSSEN KURT & SUMMER	6-T12Q-41
B132	WARD DONALD J & S F	6-T12Q-30.1
C133	SOLTESZ KEVIN C	6-T12Q-31
D134	WISVARI LINDA L	6-T12Q-32
E135	DIXON REBECCA L & MATTHEW D	6-T17C-10
F136	HARRIS CARL A & CONNIE S	6-T17C-9
G137	STRAIGHT JOHANNA	6-T17C-8
H138	KENT TERRY L	6-T17C-7
I139	KING STEPHANIE M	6-T17C-6
J140	KUHL MARY ANN & ETTER ARNOLD JR	6-T17C-5
K141	ROSEBERRY SHELBY & JOHN M PARKER	6-T17C-5.1
L142	BONAR RICHARD A & C K	6-T17C-5.2
M143	WOODS MARSHA M	6-T17C-5.4
N144	TAYLOR JACK M & G J	6-T17C-5.3
O145	HARTMAN WALTER L & GLORIA L HARTMAN - TOD	6-T17C-4
P146	BEALL CHARLES H & J I	6-T17C-3
Q147	PLUTTO ANDREW & MARIE C/O PLUTO JOHN	6-T17B-312
R148	MKV RENTALS LLC	6-T17B-237
S149	JONES JAMES M SR & CATHERINE S	6-T17B-196
T150	MUNDIE NEAL SR & KATHY	6-T17B-178
U151	MUNDIE NEIL	6-T17B-145

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
V152	MUNDIE NEIL	6-T17B-144
W153	MUNDIE NEIL	6-T17B-143
X154	MUNDIE NEIL	6-T17B-142
Y155	MUNDIE NEIL	6-T17B-141
Z156	RICHTER MICHELLE S	6-T17B-138
A157	RICHTER MICHELLE S	6-T17B-137
B158	RICHTER MICHELLE S	6-T17B-136
C159	RICHTER MICHELLE S	6-T17B-135
D160	KURI SHANNALEE A	6-T17B-134
E161	STURM EARL F IV	6-T17B-133
F162	MKV RENTALS LLC	6-T17B-132
G163	PAWLACK GREG P & BARBARA J	6-T17B-87
H164	HUFFNER EARL P	6-T12P-154
I165	RAYL EDWARD J & C M	6-T12P-153
J166	HUMMEL ZACHARY M C/O WESBANCO TRUST DEPT	6-T12P-156.1
K167	MCGINNIS DARYL G SR & L	6-T12P-156
L168	MARTINEZ NEISHA LEE	6-T12P-19
M169	JENNINGS RODNEY	6-T12P-18
N170	MOSA JOYCE A	6-T12P-17
O171	CROOK RONALD L JR	6-T12P-16
P172	WALKER LOIS L	6-T12P-15
Q173	WHITE LINDA K	6-T12P-14
R174	HARDMAN THOMAS M & KELSEY R	6-T12P-205
S175	STEIN JOHN J & B L	6-T12P-161
T176	KERCHEER TIMOTHY LEE	6-T12K-160
U177	SLIGAR E F JR AND R J	6-T12K-159.1
V178	PAVILACK DEBORAH	6-T12K-158
W179	PROVANCE FRANKLIN J JR & ELIZABETH E IRREVOCABLE TRUST	6-T12K-134.1
X180	PROVANCE FRANKLIN J & ELIZ E	6-T12K-134.2
Y181	PROVANCE FRANK & ELIZABETH	6-T12K-134
Z182	ZEBRESKI JAMES	6-T12K-129
A183	ZEBRESKI JAMES	6-T12K-129.1
B184	HORBATAK MICHELLE	6-T12K-77.1
C185	JONES JONATHAN D & LISA M	6-T12K-85
D186	DEVAULT ISAAC H & MONICA E	6-T12K-90.1
E187	DEVAULT ISAAC H & MONICA E	10-W87-165
F188	CITY OF WHEELING	10-W87-164
G189	BURNSWORTH TIMOTHY J SR & D J	6-T12F-17
H190	ANDERSON DEBORAH & RODNEY	10-W87-163.1
I191	PELL ERICA K	10-W87-163
J192	PARSONS LEWIS R III	10-W87-166
K193	HARVATH PATRICIA H	10-W87-166.1
L194	GATES STEPHANIE & GATES MICHAEL J	10-W87-166.2
M195	WADE CHERYL A	10-W82-410.1
N196	WADE CHERYL A	10-W82-410
O197	BENNETT KAYLA	10-W82-409
P198	RYDER JAMES	10-W82-408
Q199	JEBBIA CAROL ANN ET AL	10-W82-408.1
R200	FLATLEY EDNA CAROLE	10-W82-377
S201	LAKE IAIN AND JESSICA S	10-W82-378
T202	OLEARY VINCENT J & SARAH T	10-W82-379
U203	DOFKA MARTIN F III & J L	10-W82-381
V204	HOWARD RACHEL JEAN	10-W82-380
W205	FLIGHT DOUG	10-W82-382
X206	MILLER PATRICIA L	10-W82-383
Y207	STATE ROAD COMM. OF W. VA	10-W82-403
Z208	OHIO COUNTY FARM & HOME SUPPLY	10-W82-464.1
A209	HOCKENBERRY JAMES MICHAEL	10-W82-40.1

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

206H

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
B210	BELLANCO JOYCE L & G T	10-W82-41
C211	ORUM JOSHUA MICHAEL & JESSICA L KLAGES	10-W82-42
D212	WHITE ROXANN MARIE	10-W82-43
E213	CINTRON JOSE	10-W82-69
F214	KOVALICK ROBERT J	10-W82-73
G215	HOLPP KARL EDWARD	10-W82-98
H216	GOLDBAUGH TIMOTHY S	10-W82-102
I217	GOLDBAUGH TIMOTHY S	10-W82-101
J218	MULVEY WILLIAM J	10-W76-21
K219	AMBROSE MONICA	10-W82-6
L220	LEMASTERS DERON K & C A	10-W82-9.1
M221	ESTEP TANITA A & MARK R	10-W76-25.1
N222	RAHBAR MAHMOOD & VALERIE	10-W76-25
O223	PORTER TIMOTHY R	10-W76-24
P224	SILO INC C/O ROBINSON RICHARD	10-W76-23
Q225	ESTATE OF HARRY SMITH JR., DECEASED, ET AL	
R226	CITY OF WHEELING	10-W75-336
S227	MCCLELLAND ROBERT D & J M	10-W75-102
T228	LUCAS LISA A	10-W70-109
U229	WILSON RICHARD L & LISHA L	10-W70-106.1
V230	MUSSER THOMAS A	10-W70-106
W231	REDD DEREK S & SARAH C	10-W70-93
X232	KYLE JOHN F JR	10-W70-82
Y233	COFFIELD SHANE M & JAMIE L	10-W70-91
Z234	STEPHAN SHANE	10-W70-90
A235	KENNEN EDWARD W JR & KRISTINA MARIE	10-W70-92.1
B236	KENNEN EDWARD W JR	10-W70-108.1
C237	HOGAN JOHN P JR	10-W70-89
D238	SPANGLER AARON	10-W70-85
E239	PEKLICZ DONALD J & GORDON N K	10-W70-88
F240	HARMAN ANNE	10-W70-165.1
G241	FULTON JOAN ELIZABETH STEIN	10-W70-165.2
H242	MOORE RICHARD D II & BETHANY N	10-W70-129.1
I243	SCHWANKER LEE & KRISTY	10-W70-128
J244	SCHWANKER LEE & KRISTY	10-W70-126
K245	MONROE JASON	6-T7-32.1
L246	MORRIS MATTHEW WILLIAM & LAURA EMILY	10-W70-124
M247	MORRIS MATTHEW WILLIAM & LAURA EMILY	10-W70-122
N248	FATO THOMAS BRYAN & CHARITY BROOKE	10-W70-121
O249	BORDAS JAMES G III & BORDAS STACY L	10-W70-119
P250	HANCOCK CASEY	10-W70-118
Q251	PREZKOP RICHARD AND BARBARA	10-W70-117
R252	BRYAN TIMOTHY R & TINA M	10-W70-116
S253	MERCER WILLIAM C & GEORGEANN	10-W70-115
T254	MERCER WILLIAM C & GEORGEANN	10-W70-114
U255	ALLEN BARRY D & LISA L	10-W70-113.1
V256	BAL LLC	10-W70-113
W257	ROBINSON ROBERT M & ANNE G	10-W70-156
X258	JOSEPH SHARON S	10-W70-177
Y259	WILSON KERI J	10-W70-22
Z260	FRANK KEVIN G & KATHLEEN A	10-W70-21
A261	GANTZER GREGORY P	10-W70-20
B262	BARTSCH JOHN P	10-W70-19
C263	WURTZBACHER JACQUELINE L	10-W70-18
D264	LITTLE BRIAN	10-W70-17
E265	CLATTERBUCK DOUGLAS WILLIAM	10-W70-16
F266	GRONELL CHRISTINE P	10-W70-15
G267	GAMES PAMELA M	10-W70-14
H268	GRANDSTAFF CHRISTOPHER & KARA	10-W70-13

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
I269	SILVERLINE WV OH LLC	10-W70-12
J270	GROOME STEPHEN P	10-W70-5
K271	HAGEDORN ROBERT P	10-W70-6.1
L272	HAGEDORN ROBERT P	10-W70-6
M273	WAKIM LAURA Z TRUST C/O WAKIM CHRISTOPHER	10-W70-7
N274	WAKIM LAURA Z TRUST; CHRISTOPHER WAKIM TRUSTEE	10-W70-8
O275	LAMB ANNE B	10-W70-9
P276	RADVANSKY THERESA A	10-W70-10
Q277	EOS LLC	10-W69-118
R278	MELNIK GEORGE L & CHERYL A	10-W69-117
S279	LEE DENNIS T	10-W69-117.1
T280	WHEELING PARK COMMISSION	10-W69-116
U281	WHEELING PARK COMMISSION	10-W69-115
V282	JIVIDEN DAVID A & B C	10-W69-98
W283	SAVAGE CHARLES J & CATHLEEN C	10-W69-97
X284	LOH JANEL SCHMIDT	10-W69-94
Y285	MURPHY RICHARD J & RANDI B	10-W69-68
Z286	ROBINSON JAMES R AND ALISON G	10-W69-67
A287	SHRIVER WESLY D & CARMAN K VIGLIOTTI	10-W69-42
B288	GREENWOOD CEMETERY	10-W69-40
C289	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	10-W64-1
D290	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	10-W63-160
E291	WHG CHAS CATHOLIC DIOCESE	10-W55-74
F292	DAILER JACOB & MEREDITH	10-W55-157
G293	KOLIBASH WILLIAM A & R P	10-W55-158
H294	KHOURY NAHLA N SLA TRUST	10-W48-32
I295	PALMER JOHN A JR & ROSE	10-W48-36
J296	PALMER JOHN A & ROSE A	10-W48-35
K297	YU FAMILY LIVING TRUST CHEN LIHUA & YU CHUNJIANG TEES	10-W48-26
L298	CHAO ANDREW & JEAN AMY	10-W48-37
M299	COLE BRADLEY & APRIL	10-W48-44
N300	CIPRIANI CHRISTOPHER & CINDY J	10-W48-43
O301	LAHOOD BRANDEN & AMY R	10-W48-46
P302	MINTON CINDY L & BRANDT ANDREW	10-W48-47
Q303	ORTIZ ROBERT M & DENISE R	6-T1-4.1
R304	470 LAND COMPANY LLC	6-T1-4
S305	FLEAGANE JAMES J & NORMA J	10-W41A-25
T306	VOELLINGER MARK T & AMANDA P	10-W41A-24
U307	AUSTEN MICHAEL K & BELINDA A	10-W41A-23
V308	ROSENTHAL KYLE AND NINA P	10-W41A-22
W309	ROSENTHAL KYLE W & NINA P	10-W41A-17
X310	HINERMAN CARRIE L	10-W41A-16
Y311	BAKER CADI DUPLAGA & JOSEPH MICHAEL BAKER	10-W41A-18
Z312	HETHERINGTON GLEN	10-W41A-27
A313	WANG ZHENGYI & ZI XIAOXIA	10-W41A-26.1
B314	RCK 2 GROUP LLC VOGRIN STEPHEN T	10-W41A-26
C315	GIOIA VINCENT M & GIOIA M A PALMER	10-W48-1.1
D316	PANDELOS ERNEST MIKE	10-W47-339
E317	PERSINGER TERRI JOANNE	10-W47-334
F318	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	10-W41-37
G319	WEST VIRGINIA HEALTH & HUMAN RESOURCES	10-W41-75
H320	WEST VIRGINIA HEALTH & HUMAN RESOURCES	10-W41-47
I321	BEVER ROBERT L JR	10-W41-50
J322	MONTELEONE GENE M	10-W41-53
K323	DOWLER JANET L & DARREN L	10-W41-54
L324	KOVALICK ROBERT J JR	10-W41-45

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

206H

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
M325	MCGINLEY JOSEPH R & KELLY K	10-W41-44.2
N326	MCGINLEY JOSEPH R & KELLY K	10-W41-44.1
O327	MCGINLEY JOSEPH R & KELLY K	10-W41-44
P328	MCGINLEY JOSEPH R & KELLY K	10-W41-43
Q329	STORCH PETER G & LAURIE	10-W41-42
R330	HINEGARDNER JAMES L & B S	10-W41-41
S331	HINEGARDNER JAMES L JR & BRENDA S	10-W41-40
T332	STEADMAN STELLA M - TOD	10-W41-39
U333	INGRAM ROBERT H & MARLENE L-	10-W41-35.2
V334	BARANOWSKI CRYSTAL L	10-W41-24.2
W335	MCKEETS JEANNE M - TOD	10-W41-24.1
X336	HAMM WILLIAM A	10-W41-24
Y337	RUSSELL NESBITT SERVICES INC	10-W34-16
Z338	HOLT SHERYL L	10-W34-17.1
A339	HOLT SHERYL L	10-W34-17
B340	HOLT SHERYL L	10-W34-17.2
C341	NALLY SUSAN B	10-W34-18
D342	SNIDER JAMES & CINDY	10-W34-18.3
E343	SNIDER JAMES & CINDY	10-W34-18.1
F344	SNIDER JAMES & CINDY	10-W34-29.1
G345	WHEELING PARK COMMISSION	10-W34-29
H346	WHEELING PARK COMMISSION	10-W34-28
I347	SNIDER JAMES R	10-W34-27
J348	YOUNG DANIEL & CHELSEA	10-W34-26
K349	YOUNG DANIEL & CHELSEA	10-W34-25
L350	YOUNG DANIEL R & CHELSEA R	10-W34-25.1
M351	YOUNG DANIEL R & CHELSEA R	10-W33-331.9
N352	UNKNOWN	
O353	PHILLIPSON SANDIN E	6-T1-1
P354	GC&P DEVELOPMENT LLC	10-W26-90
Q355	LOHR LINDA J	10-W26-89
R356	GACS L P	10-W26-90.1
S357	LLL LLC	4-R17-6
T358	SEABRIGHT JACK & DANIELLE	4-R17-6.4
U359	SEABRIGHT JACK & DANIELLE	4-R17-6.2
V360	SEABRIGHT JACK & DANIELLE	4-R17-6.3
W361	COMMUNITY IMPACT LAND HOLDING INC	10-W27-1
X362	COMMUNITY IMPACT LAND HOLDING INC	10-W27-2.1
Y363	FOREST BROOK CONDOS	10-W27-3
Z364	UNKOWN	
A365	GACS LP	10-W27A-1
B366	CITY OF WHEELING	4-R14-15
C367	BURGE EDWARD LEE JR	4-R17-8.1
D368	HITCHMAN HELEN G	4-R14-67
F369	KNOX TARA MICHELLE & TORY JAY	4-R17-59.1
G370	EDDY MARTHA M	4-R17-59.2
H371	DOBBS DANIEL L & JULIE A	6-T1-13
I372	CARROLL DONALD L & CARROLL D ANN M	10-W41-57
J373	TEMPLIN GENEVA E	10-W41-56

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:	COMPANY:				
	OPERATOR'S				
	WELL #:			SHANNON FIELDS OHI	
	DISTRICT:			206H	
	RICHLAND		COUNTY:	STATE:	DRAWN BY: TMF
			OHIO	WV	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	STORCH PETER G & LAURIE L	10-W41-46
7	TEMPLIN GENEVA E	10-W41-55
8	VOGRIN STEPHEN T	10-W41-38
9	RCK 2 GROUP LLC 1/2 VOGRIN MICHELLE L 1/2	10-W41-74
10	DUNBAR KENNETH R & ROBIN J	10-W41A-19
11	SPADAFORE CHARLES A	10-W41A-20
12	WALTERS JOHN S & JODI M	10-W41A-14
13	SNYDER MICHAEL A & JENNY L	10-W41A-15
14	CONTRAGUERRO MICHAEL J JR	6-T1-4.2
15	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	6-T6-1
16	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	6-T7-1.1
17	RCK 2 GROUP LLC	6-T2-13.1
18	WHEELING PARK COMMISSION	6-T7-1
19	WHEELING PARK COMMISSION	10-W70-11
20	ADERHOLT DANNY C; ADERHOLT JOSHUA M; ADERHOLT JOHN D	6-T7-32
21	GLASER KATHLEEN A	6-T7-34
22	LOY CODY M	6-T7-39
23	KENNEN EDWARD JR & MCGARRY KRISTINA	10-W70-189
24	KENNEN EDWARD W JR	10-W70-108
25	KENNEN EDWARD JR	10-W71-11
26	KENNEN EDWARD W JR	10-W71-12
27	DAVIS WILLIAM H	10-W70-92
28	DAVIS WILLIAM H & JANE L	10-W70-112
29	RICHARDS DAVID M & CINDY S	10-W76-1.10
30	RICHARDS DAVID M & CINDY S	10-W76-1.14
31	MCKENZIE VELMA J	10-W76-1
32	MARTIN REBEKAH J & JOHN E III	10-W76-1.2
33	SCOTT CHARLES D SR	10-W76-1.4
34	UNKOWN HEIRS & ASSIGNS OF MARY JANE DAVIES; UNKNOWN HEIRS & ASSIGNS OF HARRY W SMITH, JR.	
35	CROFT HARRY N & F G	10-W82-112
36	CROFT HARRY N JR & RACHEL	10-W82-103
37	HOLPP KARL EDWARD	10-W82-97
38	KOVALICK ROBERT J JR	10-W82-75
39	NELSON JAY L	10-W82-74
40	SCHULTZ SHEILA - RTO; EDWARD CARL SCHULTZ III ET AL	10-W82-68
41	MACKEY ROSEMARY & RICHARD ELMER	10-W82-44
42	VIOLA JOSEPH A ET AL	10-W82-40
43	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118
44	ELM GROVE PROPERTIES LLC C/O ELM GROVE PLAZA	10-W82-469
45	W VA DEPT OF HIGHWAYS	U.S.40
46	VRAJ MANDAL INC	10-W82-384
47	STRONG RUSSELL GORDON	10-W82-342.1
48	STRONG RUSSELL GORDON	10-W82-342
49	CRAWFORD HOPE M	10-W82-343
50	OYLER JAMES K	10-W82-344
51	OYLER JAMES K	10-W82-345
52	GOLIATH REALTY & INVESTMENT GROUP LLC	10-W82-346
53	THOMPSON TERRAANN & MADYSON AMITRONE	10-W82-347
54	MCLENDON JESSF L	10-W82-348
55	BALLER CONNIE L - TOD	10-W82-349
56	WALTERS GUY JOHN REDD MARILYN M	10-W82-376

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S)	TAX PARCEL
57	KOONTZ ANDREW D & KELLY N	10-W82-375
58	BRUNO BRENT H	10-W82-374
59	ZANN MARY FRANCES	10-W82-373
60	W VA DEPT OF HIGHWAYS	INTERSTATE 70
61	BARNETT DOLORES	6-T12F-13
62	KEEFER JAMES WILLIAM III	10-W87-167
63	ESPENSCHIED CHARLES	6-T12F-18.2
64	LOSH BARRY A & MALLISSA A	6-T12F-18.1
65	THARP KELLEY	6-T12K-91.2
66	DEVAULT ISAAC H & MONICA E	6-T12K-90
67	KENT DAVID S & M E	6-T12K-124
68	KENT DAVID S & M E	6-T12K-127
69	HERCULES JOHN W JR	6-T12K-128.1
70	HELMICK MARI ANN ESTATE	6-T12K-128.2
71	NICKERSON KENNETH S & AMY M	6-T12K-128
72	EBERT GARY & BONNIE	6-T12K-135
73	SNYDER ELIZABETH M ESTATE	6-T12K-161
74	SNYDER ELIZABETH M ESTATE	6-T12K-162
75	COLUMBIA GAS TRANSMISSION CORP	6-T12K-163
76	MCGINNIS CODY	6-T12P-162
77	MCGINNIS CODY	6-T12P-166
78	COLUMBIA GAS TRANSMISSION CORP	6-T12P-206
79	NICK JOHN G AND PATRICIA A	6-T12P-207
80	MCGINNIS DARYL & LINDA	6-T12P-208
81	DERR ALFRED	6-T12P-218
82	HUMMEL ZACHARY M C/O WESBANCO TRUST DEPT	6-T12P-157
83	LEWIS GERALD ET AL	6-T12Q-21
84	WARD DONALD J & SHARON F	6-T12Q-30.3
85	MUNDIE NEAL W	6-T17C-1
86	MUNDIE NEAL W	6-T17B-214
87	BEALL CHARLES H AND JOYCE I	6-T17B-238

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

206H

DRAWN BY: TMF

DISTRICT:  
RICHLAND

COUNTY:  
OHIO

STATE:  
WV

SCALE: N/A  
DRAWING NO: 2326  
WELL LOCATION PLAT

WW-6A1  
(5/13)

Operator's Well No. Shannon Fields OHI 206H

**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 O&G 266H						
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	RK/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
1	4-R17-23.2	May Carter Tepp, 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 Burns, 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	
3	4-R17-8	Cemerstone 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%
			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	
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, 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	10-W41-46	Donald Hanks Thomas, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1008,751 1094,490	0.00%
7	10-W41-55	Stephen G. Fisher and Geneva E. Templin, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,735 1094,490	0.00%
8	10-W41-38	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. Vogna and Stephen T. Vogna, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,653 1094,490	
		Stephen G. Fisher and Geneva E. Templin, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,735 1094,490	
9	10-W41-74	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. Vogna and Stephen T. Vogna, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,653 1094,490	
10	10-W41-19	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. Vogna and Stephen T. Vogna, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,653 1094,490	
11	10-W41A-20	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. Vogna and Stephen T. Vogna, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,653 1094,490	
12	10-W41A-14	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. Vogna and Stephen T. Vogna, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,653 1094,490	
13	10-W41A-15	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. Vogna and Stephen T. Vogna, 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-T1-4.2	C. Jack Savage, d/b/a Charter Land Company	Fossil Creek Ohio, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	874,67 946,405 1094,490	0.00%
15	6-T6-1	Roman Catholic Diocese of Wheeling-Charleston, by Michael J. Bramfield, Bishop	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	937,667 1094,490	0.00%
16	6-T7-1.1	The Most Reverend Mark E. Brennan, Bishop of the Diocese of Wheeling - Charleston	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1030,38 1094,490	0.00%
17	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%
18	6-T7-1	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 1000,456 1094,490	0.00%
19	10-W70-11	Wheeling Park Commission, a Public Corporation and a 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	989,503 1094,490	0.00%
		Wheeling Park Commission, a Public Corporation and a Governmental Subdivision of the City of Wheeling	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989,501 1094,490	
20	6-T2-32	Danny C. Aderholt and Kathleen B. Aderholt, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	976,475 1094,490	0.00%
		John D. Aderholt and Molly J. Aderholt, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	976,487 1094,490	
		Joshua M. Aderholt and Agata Han:czewska, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	976,469 1094,490	
21	6-T7-34	Mark H. Boehm and Kathleen A. Boehm (k/a Kathleen A. Glaser, 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	840,248 885,880,888,384 1094,490	0.00%
22	6-T7-39	Cody M. Loy, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989,150 1094,490	0.00%
23	10-W70-189	Edward W. Kennen, Jr. and Kristina McGary Kennen, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989,125 1094,490	0.00%
24	10-W70-108	Edward W. Kennen, Jr. and Kristina McGary Kennen, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989,125 1094,490	0.00%
25	10-W71-11	Edward W. Kennen, Jr. and Kristina McGary Kennen, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989,133 1094,490	0.00%

EXHIBIT "A" Shannon Fields O&G 206H 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
26	10-W71-12	Edward W. Kennen, Jr. and Kristina McGarry Kennen, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989.125 1094.490	0.00%
27	10-W70-92	William H. Davis and Jane Davis, his wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	927.635 980.972 1094.490	0.00%
28	10-W70-112	Robert W. Galbreath and Debra J. Galbreath, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	990.715 1094.490	0.00%
29	10-W70-110	David M. Richards and Cindy S. Richards, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	970.542 1094.490	0.00%
30	10-W70-114	David M. Richards and Cindy S. Richards, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	970.542 1094.490	0.00%
31	10-W70-1	Raymond McKenzie, as Attorney in Fact for Velma J. McKenzie, widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1091.414 1094.490	0.00%
32	10-W70-12	Stephen K. Harvilla and Nancy D. Harvilla, husband and wife, by Florence G. Croft, as Attorney-in-Fact	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	971.628 1094.490	0.00%
33	10-W70-14	Charles D. Scott, Sr., a widower	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1065.676 1094.490	0.00%
34	10-W70-9999-99	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
35	10-W82-112	Benjamin T. Boudas, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1090.696 1094.490	0.00%
36	10-W82-103	Harry Nelson Croft, Jr. and Rachel Croft, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989.156 1094.490	0.00%
37	10-W82-97	Karl Edward Holpp, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1074.580 1094.490	0.00%
38	10-W82-75	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
39	10-W82-74	Jay Lawrence Nelson, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1075.178 1094.490	0.00%
40	10-W82-68	Diane Elizabeth Schultz, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1079.731 1094.490	33.00%
		Alison Logue, 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	1079.691 1094.490	
		Alan Hembus, 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	1079.771 1094.490	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
41	10-W82-44	Rosemary Mackey and Richard Mackey, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1074.550 1094.490	0.00%
42	10-W82-40	Lucia B. Shinsky, 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	1068.567 1094.490	0.00%
		Peter E. Voda, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1074.605 1094.490	
43	10-W82-118	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	
44	10-W82-469	Pinon Realty Company, a West Virginia Corporation	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1070.545 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	
45	U.S. 40	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	830.11 888,611,889.398 1094.490	0.00%
46	10-W82-384	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
47	10-W82-342.1	Russell Gordon Strong, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1071.637 1094.490	0.00%
48	10-W82-342	Russell Gordon Strong, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1071.637 1094.490	0.00%
49	10-W82-343	Hope M. Crawford, 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	1071.515 1094.490	0.00%
50	10-W82-344	Bonacci Rentals, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1081.352 1094.490	0.00%
51	10-W82-345	Bonacci Rentals, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1081.352 1094.490	0.00%
52	10-W82-346	Goliath Realty & Investment, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1071.470 1094.490	0.00%
53	10-W82-347	TerraAnn Thompson, 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	1079.671 1094.490	0.00%
		Madyson Austrom, 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	1079.664 1094.490	
54	10-W82-348	Jeane L. McIndon, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1071.488 1094.490	0.00%
55	10-W82-349	Constance L. Baller, a widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068.631 1094.490	0.00%

Docket/Cause 452-585

EXHIBIT "A" Shannon Fields O&H 266H 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
56	10-WX2-376	Guy John Walters, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068.419 1094.490	0.00%
		Marilyn M. Ridd, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068.470 1094.490	0.00%
57	10-WX2-375	Diane L. Wease and Rhonda L. Wease, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1075.166 1094.490	0.00%
58	10-WX2-374	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
59	10-WX2-373	May Frances Zann, 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	1068.660 1094.490	0.00%
60	INTERSTATE 70	Right of Way	N/A	N/A	N/A	0.00%
61	6-T12F-13	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
62	10-WX2-167	James William Kerefor, III, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1066.52 1094.490	0.00%
63	6-T12F-18.2	Charles J. Espenchied and Becky A. Espenchied, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1071.837 1094.490	0.00%
64	6-T12F-18.1	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
65	6-T12K-91.2	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
66	6-T12K-90	Bounty Minerals, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1090.526 1094.490	0.00%
67	6-T12K-124	David S. Kent and Maryann E. Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1066.7 1094.490	0.00%
68	6-T12K-127	David S. Kent and Maryann E. Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1066.7 1094.490	0.00%
69	6-T12K-128.1	John W. Hercules, Jr., a widower	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068.543 1094.490	0.00%
70	6-T12K-128.2	Ronald Mitchell Humbach, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1078.340 1094.490	0.00%
71	6-T12K-128	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
72	6-T12K-135	Gary Ebert and Bozme Ebert, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1066.20 1094.490	0.00%
73	6-T12K-161	Franklin J. Snyder, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1095.429 1094.490	0.00%
		Ronald J. 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	1095.722 1094.490	
		Terry L. 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	1095.731 1094.490	
74	6-T12K-162	Franklin J. Snyder, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1095.429 1094.490	0.00%
		Ronald J. 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	1095.722 1094.490	
		Terry L. 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	1095.731 1094.490	
75	6-T12K-163	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
76	6-T12P-162	Cody McGinnis, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1071.432 1094.490	0.00%
77	6-T12P-166	Cody L. McGinnis, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1065.547 1094.490	0.00%
78	6-T12P-206	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
79	6-T12P-207	John G. Nick & Patty Nick, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1069.9 1094.490	0.00%
80	6-T12P-208	Daryl G. McGinnis, Sr. and Linda McGinnis, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1065.776 1094.490	0.00%
81	6-T12P-218	Alfred Dett, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068.618 1094.490	0.00%
82	6-T12P-157	Susan Wilkinson and James Wilkinson, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1076.138 1094.490	0.00%
83	6-T12Q-21	Barbara Santiago, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	935.251 980.572 1094.490	0.00%
		Daniel K. Lewis and Sharon L. Lewis, husband and wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	938.610 980.572 1094.490	
		Daniel Timbs, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	935.255 980.572 1094.490	

EXHIBIT "A"						
Shannon Fields O&E 206H						
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	BU/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
		Elana McClain and Charles McClain, wife and husband	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	935,233 980,572 1094,490	
		Gerardo Diaz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,128 980,572 1094,490	
		Glenda Krause and Bryan Krause, wife and husband	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936,132 980,572 1094,490	
		James Timbs and Devona Timbs, husband and wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	938,660 980,572 1094,490	
		Mary Skaggs and John Skaggs, wife and husband	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	935,278 980,572 1094,490	
		Neal Schafer and Christal Schafer, husband and wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	935,243 980,572 1094,490	
		Linda Kay Myers, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099,537	
84	6-T12Q-30.3	Donald J. Ward and Sharon F. Ward, husband and wife	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	939,461 980,572 1094,490	
85	6-T17C-1	Marcella M Woloshan and Ronald M Woloshan, wife and husband	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1100,335	0.00%
		Wilbert S Miller and Dagnae E Miller, husband and wife	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1101,86	
86	6-T17B-214	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
87	6-T17B-238	Charles H. Beall and Joyce I. Beall, husband and wife	NP&R, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	805,67 885,320, 888,151 1094,490	0.00%
Y51	18-W82-45	Joseph D. Moskovic, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1074,612 1094,490	0.00%
G85	16-W 82-350	Z & S Properties, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1075,141 1094,490	0.00%
H86	16-W82-351	Z & S Properties, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1075,141 1094,490	0.00%
M91	6-T12F-15	Peggy Doff, 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	1075,141 1094,490	0.00%
		Wendy L. Mirandy, a widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068,555 1094,490	
N118	6-T12F-210	Thomas J. Howard and Kathy Howard, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1066,158 1094,490	0.00%
O119	6-T12P-213	Anna J. Keenan, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1074,675 1094,490	0.00%
P126	6-T12P-216	Alfred Dent, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068,618 1094,490	0.00%
J166	6-T12P-156.1	Susan Wilkinson and James Wilkinson, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1076,138 1094,490	0.00%
K167	6-T12P-156	Daryl G. McOmie, Sr. and Linda McOmie, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1065,776 1094,490	0.00%
F188	18-W87-164	The City of Wheeling, a municipal corporation of the State of West Virginia	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	0.00%
G189	6-T12F-17	Timothy J. Burnsworth, Sr. and Deborah J. Burnsworth, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1068,780 1094,490	0.00%
R210	18-W82-377	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
D212	18-W82-43	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
G215	18-W82-98	Karl Edward Happ, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1074,380 1094,490	0.00%
D238	16-W78-85	Aaron Spangler, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	994,74 1094,490	0.00%
E239	16-W78-88	Donald J. Pekić and Nancy K. Pekić, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	994,80 1094,490	0.00%

END OF EXHIBIT "A"



April 1, 2026

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

**RE:** Expand's proposed New Well: Shannon Fields OHI 206H in Ohio County, West Virginia, Drilling under Boggs Hill Road a/k/a Edginton Lane, St. Charles Avenue, Jenna Way, Sonneborne Road, Armonk Road, Park View Lane, Springdale Avenue, Upper Power Avenue, Lower Power Avenue, Overbrook Avenue, Lumber Avenue, Elm Grove Crossing, National Road a/k/a Route 40, Monroe Avenue, Gamble Avenue, Thornburg Avenue, Waddle Avenue, Interstate 70, Woodland Acres Road, Baird Street, Go Slow Road, Stone Church Cemetery Lane, Acrelynn Road, Wayne Road and Stone Church Road.

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 Edginton Lane, St. Charles Avenue, Jenna Way, Sonneborne Road, Armonk Road, Park View Lane, Springdale Avenue, Upper Power Avenue, Lower Power Avenue, Overbrook Avenue, Lumber Avenue, Elm Grove Crossing, National Road a/k/a Route 40, Monroe Avenue, Gamble Avenue, Thornburg Avenue, Waddle Avenue, Interstate 70, Woodland Acres Road, Baird Street, Go Slow Road, Stone Church Cemetery Lane, Acrelynn Road, Wayne Road and Stone Church Road. 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 black ink that reads "Kelley Ryan". The signature is written in a cursive, flowing style.

Kelley Ryan  
Landman II – SW Appalachia Division  
Expand Operating LLC

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 206H  
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>529,173.552</u>
County:	<u>069-Ohio</u>		Northing:	<u>4,437,614.155</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.

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:  *PLEASE CHECK ALL THAT APPLY		<b>OOG OFFICE USE ONLY</b>
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED		<input type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED		<input checked="" type="checkbox"/> RECEIVED
<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  <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)		<input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION		<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE		<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		<input checked="" type="checkbox"/> RECEIVED

**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.

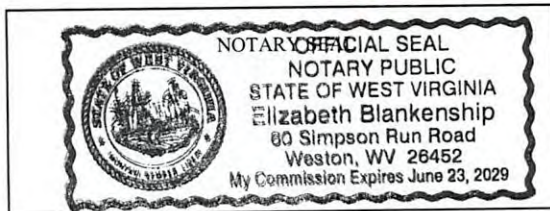
05/15/2026

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:	<u>Expand Operating LLC</u>	Address:	<u>1300 Fort Pierpont Dr., Suite 201</u>
By:	<u>Brittany Woody</u>		<u>Morgantown, WV 26508</u>
Its:	<u>Senior Regulatory Analyst</u>	Facsimile:	<u>304-884-1690</u>
Telephone:	<u>304-209-5688</u>	Email:	<u>Brittany.Woody@expandenergy.com</u>



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](mailto:depprivacyofficer@wv.gov).

05/15/2026

WW-6A  
(9-13)

API NO. 47- 069 -  
OPERATOR WELL NO. Shannon Fields OHI 206H  
Well Pad Name: Shannon Fields OHI

**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 206H  
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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://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 206H  
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 57<sup>th</sup> 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 206H  
 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 206H  
Well Pad Name: Shannon Fields OHI

**Notice is hereby given by:**

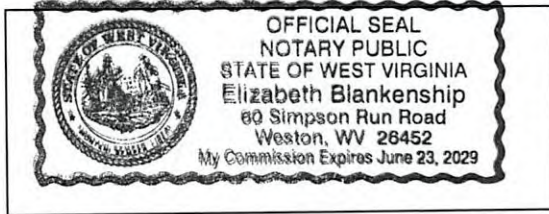
Well Operator: Expand Operating LLC  
Telephone: 304-209-5688  
Email: Brittany.Woody@expandenergy.com

*Brittany Woody*

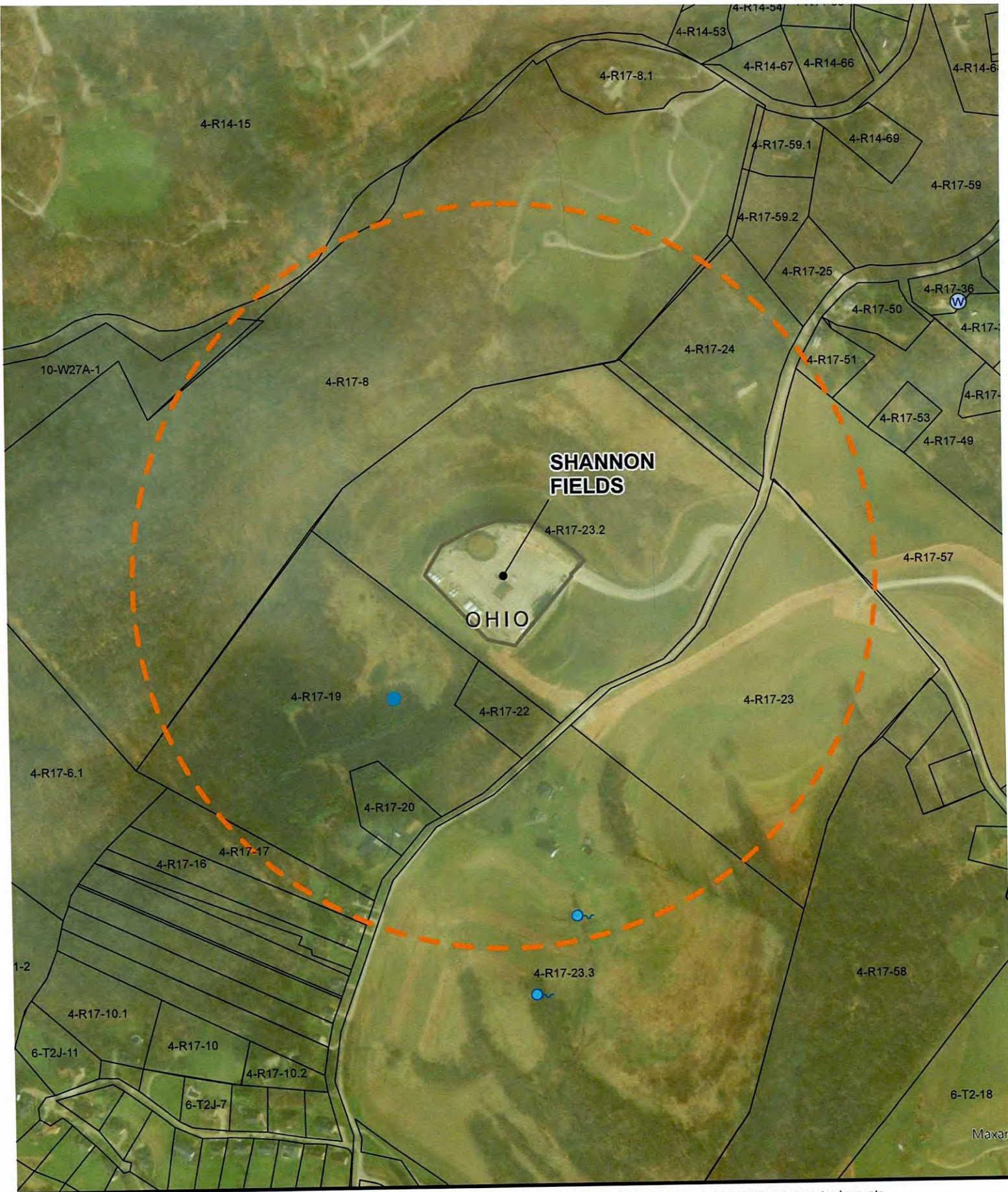
Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Facsimile: 304-884-1690

**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](mailto:deprivacyofficer@wv.gov).



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



The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.

# Water Purveyor Map



## Water Sources

- Type
- Spring
  - Water Well
  - Pond

**WELL PAD:  
SHANNON FIELDS-OHI-PAD1**

**COUNTY:  
OHIO**

0 180 360 720 1,080

05/15/2026 Scale: 1:6,000

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 OH1

**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

RECEIVED  
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 57<sup>th</sup> 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](http://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](mailto:depprivacyofficer@wv.gov).

05/15/2026



WW-6A5  
(1/12)Operator Well No. Shannon Fields OHI 206H

**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

**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  
Address: 1300 FORT PIERPONT DRIVE, SUITE 201  
MORGANTOWN, WV 26508

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

**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>529173.552</u>
County:	<u>OHIO</u>		Northing:	<u>4437614.155</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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: EXPAND APPALACHIA LLC  
Telephone: 304-231-8329  
Email: reid.croft@expandenergy.com

Address: 1300 FORT PIERPONT DRIVE, SUITE 201  
MORGANTOWN  
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](mailto: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 57<sup>th</sup> 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

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

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
Ferriplex 80	Iron Control	1-Octanol	111-87-5
		Triethyl phosphate	78-40-0
Tolicide 4Frac	Biocide	Sodium Erythorbate	6381-77-7
		Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8
		Quaternary ammonium compounds	68424-85-1
		Ethanol	64-17-5
Plexslick 930	Friction Reducer	Water	7732-18-5
		Hydrotreated Petroleum Distillate	64742-47-8
		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	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
Plexsick 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 Conservation

05/15/2026

WW-6A7  
(6-12)

OPERATOR: Expand Operating LLC WELL NO: Shannon Fields OHI 206H

PAD NAME: Shannon Fields OHI

REVIEWED BY: \_\_\_\_\_ SIGNATURE: *Brittany Nandy*

## WELL RESTRICTIONS CHECKLIST

### HORIZONTAL 6A WELL

#### 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

RECEIVED  
Office of Oil and Gas

APR 09 2026

NY Department of  
Environmental Conservation

05/15/2026