



west virginia department of environmental protection

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

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

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

EXPAND OPERATING LLC
6100 N WESTERN AVE.

OKLAHOMA CITY, OK 73118

Re: Permit approval for Shannon Fields OHI 6H
47-069-00380-00-00

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

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

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

H. Jason Harmon
Acting Chief

Operator's Well Number: Shannon Fields OHI 6H
Farm Name: Expand Appalachia LLC
U.S. WELL NUMBER: 47-069-00380-00-00
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 6H
Well Pad Name: Shannon Fields OHI

18) **CASING AND TUBING PROGRAM**

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	J-55	94#	136'	136'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	530'	530'	606 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1928'	1928'	765 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	29,576'	29,576'	Tail 5614sx/ 100' Inside Intermediate
Tubing							
Liners							

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

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PACKERS

Kind:				
Sizes:				
Depths Set:				

Strader Gower
3/31/2026

WW-6B
(10/14)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 6H
Well Pad Name: Shannon Fields OHI

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

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

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

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

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

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

23) Describe centralizer placement for each casing string:

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

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

See Attachment ***

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25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

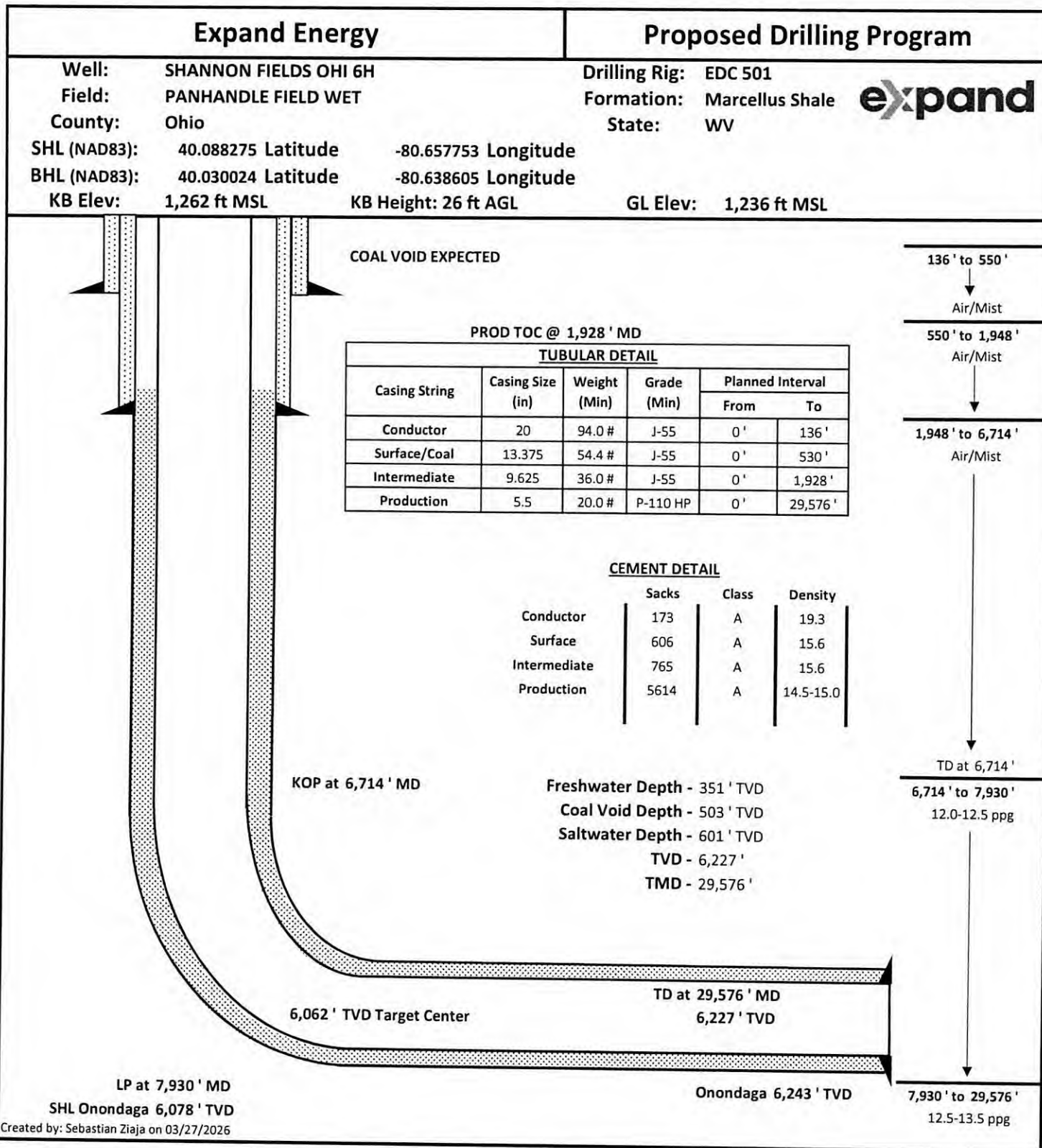
CEMENT ADDITIVES						
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTier PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER) <small>up to 3%</small>	XXXXXXXXXX	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4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

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Strader Power
3/31/2026

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05/15/2026



Brittany Woody
Staff Regulatory Specialist

December 3, 2025

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

RE: Proposed New Well: Shannon Fields OHI 6H

Dear Mr. Brewer

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

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

Thank you.

Best regards,

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

Brittany Woody
Senior Regulatory Analyst
Expand Energy

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WW-9
(4/16)

API Number 47 - 069 - _____

Operator's Well No. Shannon Fields OHI 6H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Expand Operating LLC OP Code 494533012

Watershed (HUC 10) Upper Ohio South Quadrangle Wheeling

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

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

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

Additives to be used in drilling medium? Attachment 3B

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

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

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

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

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

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

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

Company Official Signature *Brittany Woody*

Company Official (Typed Name) Brittany Woody

Company Official Title Senior Regulatory Analyst

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

Elizabeth Blankenship

Notary Public

My commission expires 6/23/2029



Form WW-9

Operator's Well No. Shannon Fields OHI 6H

Expand Operating LLC

Proposed Revegetation Treatment: Acres Disturbed 20.94 Prevegetation pH _____

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

Fertilizer type 10-20-20

Fertilizer amount 600/500 lbs/acre

Mulch Hay/Straw Tons/acre

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Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Attachment 3C

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: STRADER GOWER

Comments: _____

Title: Oil & Gas Inspector

Date: 2/17/2026

Field Reviewed? Yes

No

05/15/2026

Attachment 3A

CLOSED LOOP SYSTEM

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

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

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

AIR DRILLING INTERVALS

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

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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

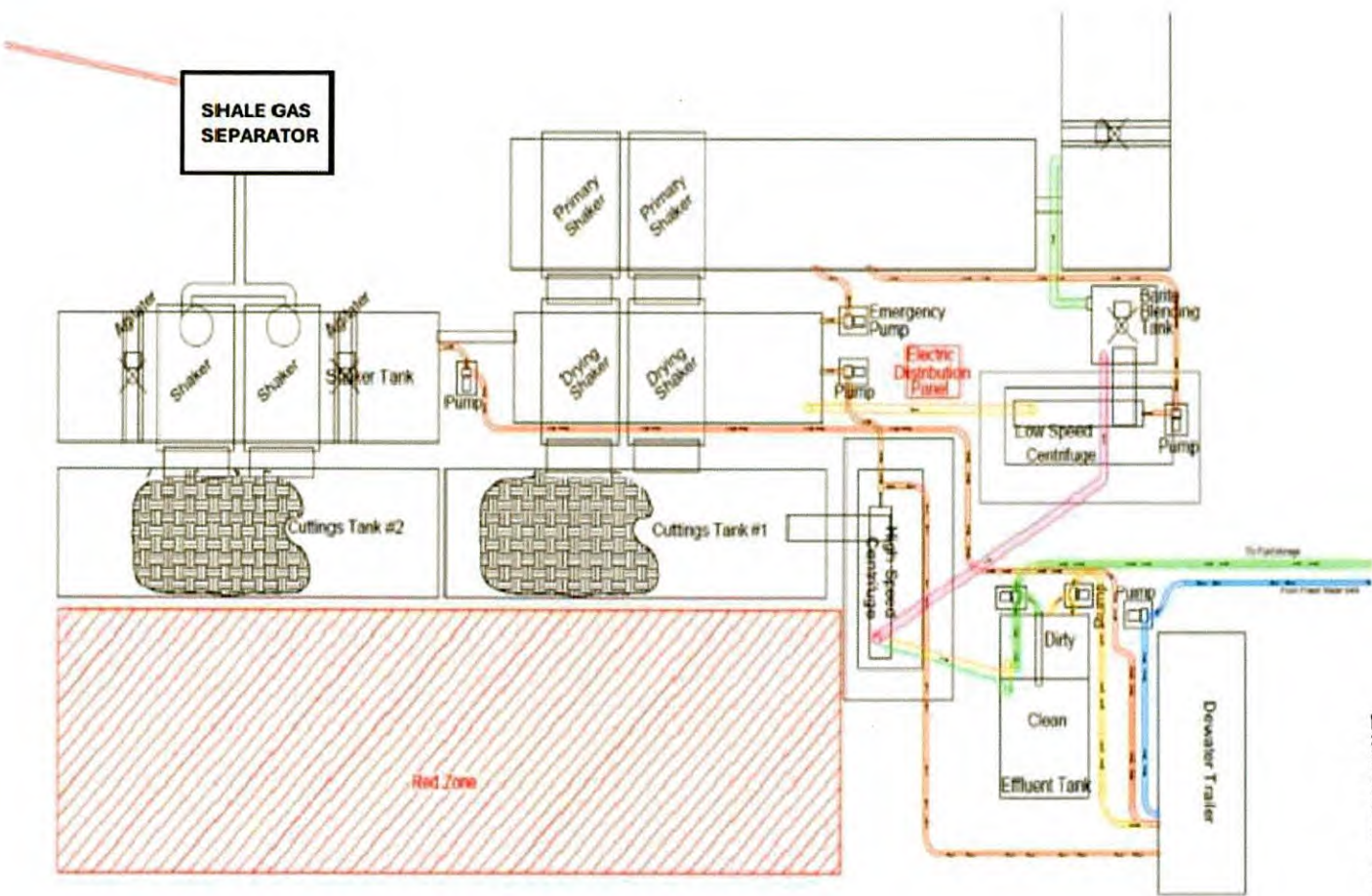
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3.10.2025
05/15/2026

Solids Control Layout



EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM



REC-51420
Office of Oil and Gas

APR 09 2026

NY Department of
Environmental Conservation

Drilling Mediums

Surface/Coal (if present)/Freshwater Intervals

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present)

Air

Freshwater (if needed based on conditions)

Brine (if needed, base fluid for mud systems)

Production Hole:

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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Attachment 3C



WVD Seeding Specification

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

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

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

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

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

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

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

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

FISC 5/14/2025
 Office of OI and Ops
 APR 09 2026
 WV Department of
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MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



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

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API NO. 47-XXX-XXXXX
WELL NAME: Shannon Fields OHI 6H
Wheeling QUAD
Richland DISTRICT
OHIO COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Brittany Woody

Date: 12/3/2025

Title: Senior Regulatory Analyst

Expand Energy

Approved by:

Name: STRADER LOWER

Date: 2/17/2026

Title: Oil & Gas Inspector

Approved by:

Name: _____

Date: _____

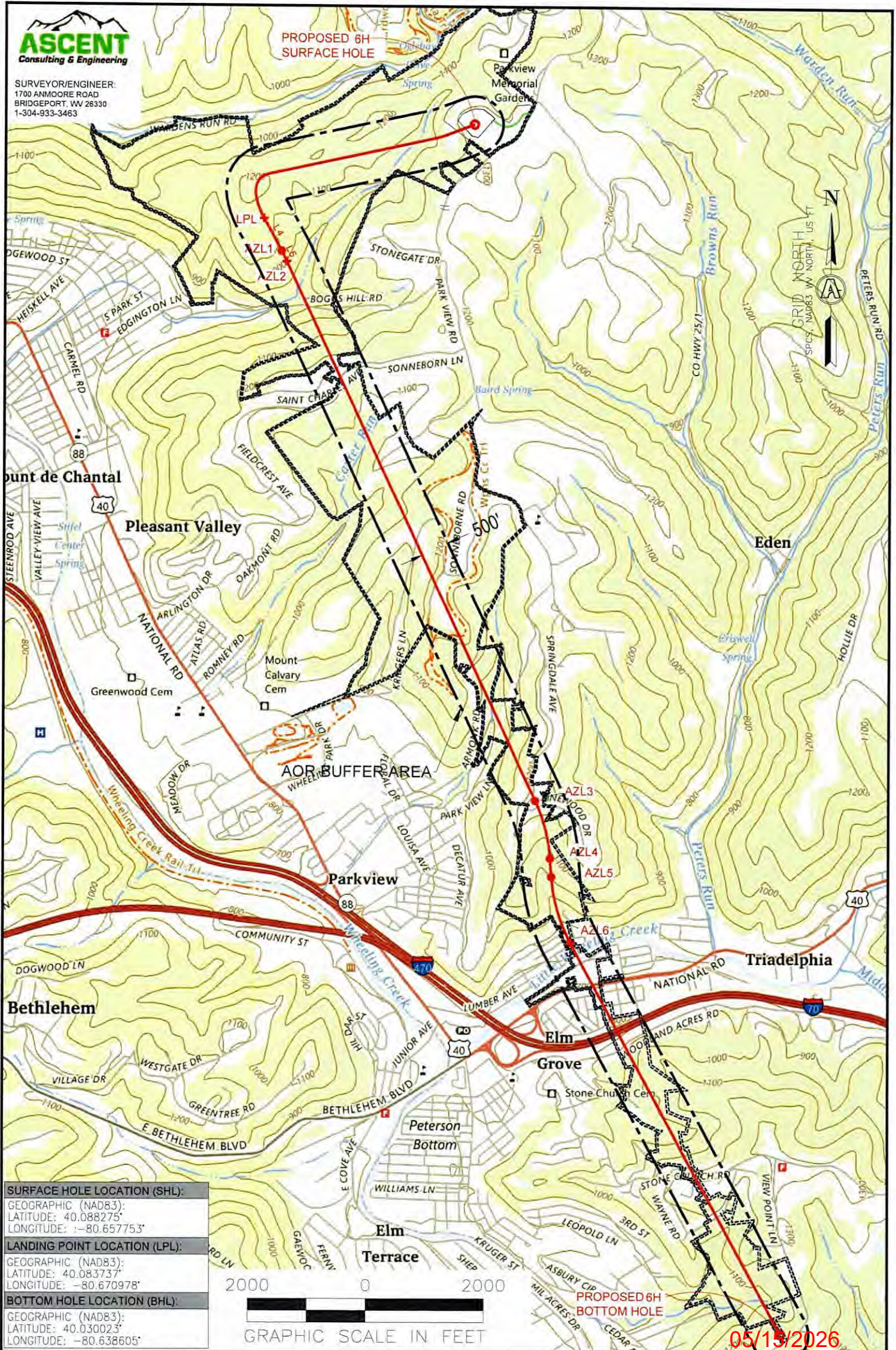
Title: _____

Expand Energy – CONFIDENTIAL

05/15/2026



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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.088275°
LONGITUDE: -80.657753°
LANDING POINT LOCATION (LPL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.083737°
LONGITUDE: -80.670978°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.030023°
LONGITUDE: -80.638605°



05/15/2026

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.

WELL OPERATOR: EXPAND OPERATING, LLC	WELL (FARM) NAME: SHANNON FIELDS OHI	WELL # 6H	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 9,161'

LATITUDE :40°02'30"

BOTTOM HOLE 3,808'



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

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,611.058
EASTING: 529,176.488

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,103.175
EASTING: 528,050.902

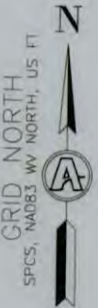
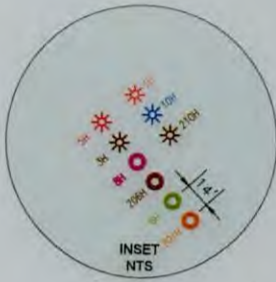
BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,431,152.089
EASTING: 530,835.094



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 73°26'07" W	780.29'	SHL TO LANDMARK	STONE FOUND
L2	N 25°10'47" E	993.92'	SHL TO LANDMARK	CONCRETE MONUMENT

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 65°42'52" W	4,051.38'	4,648.37'	SHL TO LPL
L4	S 29°03'13" E	646.50'	646.50'	AZL1 TO AZL2
L5	S 27°03'51" E	198.73'	198.73'	AZL2 TO AZL3
L6	S 25°04'34" E	10,395.59'	10,395.59'	AZL3 TO AZL4
L7	S 14°36'32" E	1,040.40'	1,046.21'	AZL4 TO AZL5
L8	S 04°08'35" E	329.15'	329.15'	AZL5 TO AZL6
L9	S 16°12'56" E	1,197.87'	1,193.57'	AZL6 TO AZL7
L10	S 28°17'20" E	7,814.68'	7,814.68'	AZL7 TO BHL



WELL RESTRICTIONS

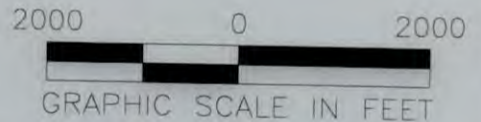
- ONE OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS 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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

SHANNON FIELDS OHI
OPERATOR'S WELL #: 6H
API WELL #: 47 STATE 69 COUNTY 00380 PERMIT

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

WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND COUNTY: OHIO
SURFACE OWNER: EXPAND APPALACHIA LLC
OIL & GAS ROYALTY OWNER: SHANNON FIELDS, LLC

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,227' TVD 29,576' TMD

05/15/2026

WELL OPERATOR: EXPAND OPERATING, LLC
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: BRIDGEPORT STATE: WV ZIP CODE: 26508

LEGEND:

	PROPOSED SURFACE HOLE / BOTTOM HOLE		SURVEYED BOUNDARY
	EXISTING / PRODUCING WELLHEAD		DRILLING UNIT
	EXISTING WATER WELL		LEASE BOUNDARY
	EXISTING SPRING		500' OFFSET LINE
			PROPOSED PATH

REVISIONS:

DATE:	03-31-2026
FILE NO:	
DRAWN BY:	TMF
SCALE:	1" = 2000'
DRAWING NO:	2326
WELL LOCATION PLAT	1



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

INSET "A"

PROPOSED 6H
SURFACE HOLE

INSET "B"

LPL

AZL1

AZL2

INSET "C"

INSET "D"

INSET "E"

INSET "F"

GRID NORTH
SPCS, NAD83, WV NORTH, US FT

2000 0 2000

GRAPHIC SCALE IN FEET

PROPOSED 6H
BOTTOM HOLE

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

6H

DRAWN BY: TMF

DISTRICT:
RICHLAND

COUNTY:
OHIO

STATE:
WV

SCALE: N/A

DRAWING NO: 2326

WELL LOCATION PLAT



INSET "A"



INSET "B"

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



INSET "C"



INSET "D"

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

6H

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

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



INSET "E"
 SCALE: 1"=500'

05/15/2026

REVISIONS:

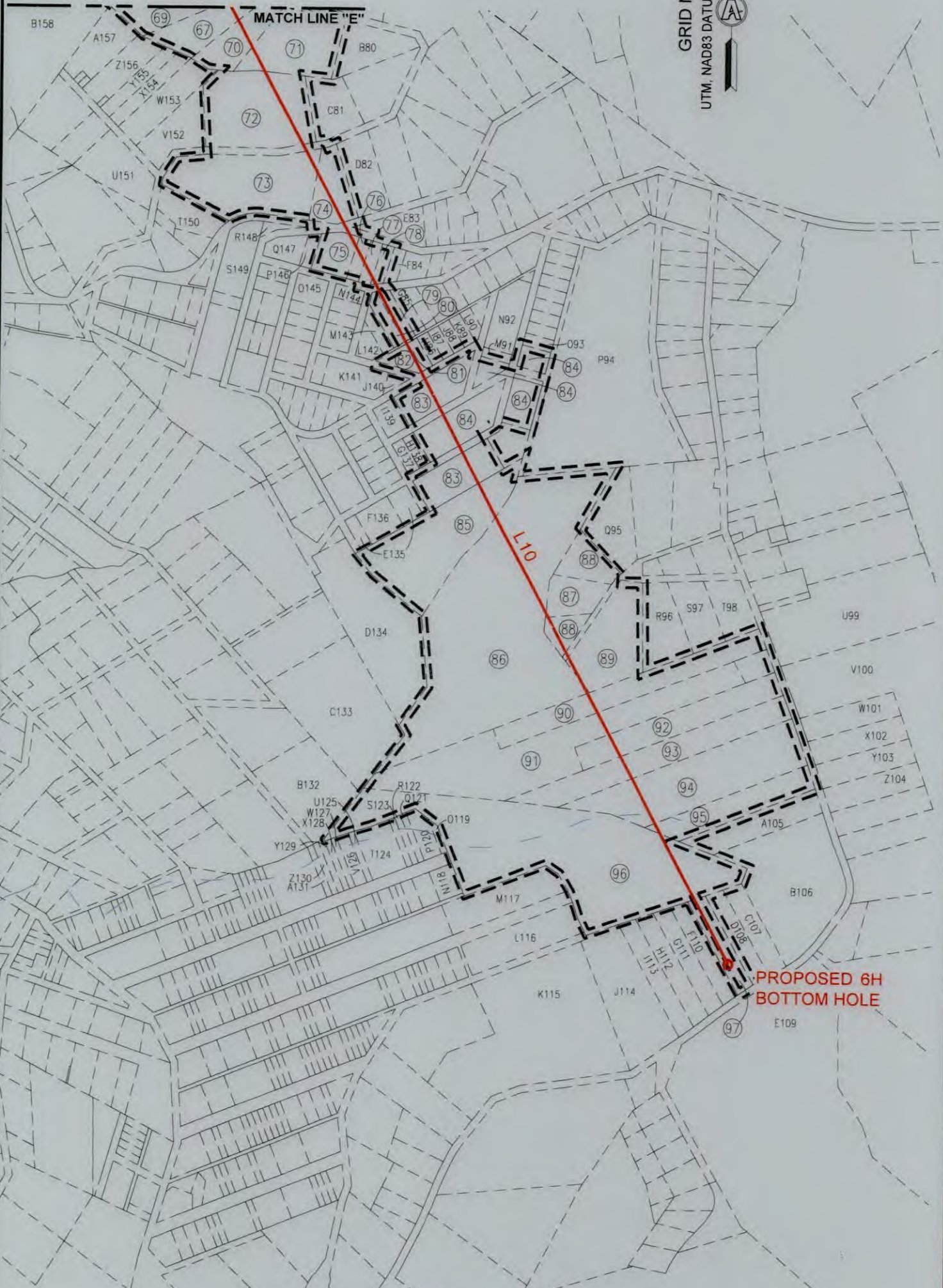
COMPANY:

OPERATOR'S	SHANNON FIELDS OHI		DATE: 03-31-2026
WELL #:	6H		DRAWN BY: TMF
DISTRICT:	COUNTY:	STATE:	SCALE: N/A
RICHLAND	OHIO	WV	DRAWING NO: 2326
			WELL LOCATION PLAT



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

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





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	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	6-T2-11
B2	VOGRIN STEPHEN T & MICHELLE L	6-T2-13
C3	CAMPBELL KIMBERLY M	6-T2-13.2
D4	DANEHART LUANN AND ARTHUR W JR	6-T2-16.2
E5	WHEELING PARK COMMISSION	6-T7-95
F6	WHEELING PARK COMMISSION	6-T2-17
G7	BOARD OF EDUCATION OF OHIO COUNTY	10-W56-4
H8	BOARD OF EDUCATION	10-W56-1
I9	BOARD OF EDUCATION	10-W56-2
J10	HINDERLITER BRIAN M	6-T7-6.4
K11	ADAMS MARY S	6-T7-9
L12	ADAMS MARY S	6-T7-10
M13	WALTER SHEVAWN	6-T7-10.1
N14	WALTER SHEVAWN	6-T7-20
O15	EVICK THOMAS & KAREN	6-T7-21
P16	HARRIS CAROLYN F KNA TUCKER CAROLYN F	6-T7-54
Q17	LOY CHARLES G SR & E DARLENE	6-T7-53
R18	SHOOK RODNEY & MOTT BETTY	6-T7-56
S19	MOTT BETTY & BRIAN	6-T7-57
T20	SALL SYLVIA JEAN OWENS CYNTHIA LOU	6-T7-59
U21	ADERHOLT DANNY C ET AL	6-T7-93.5
V22	ADERHOLT DANNY C & KATHLEEN B; ADERHOLT JENNIFER D	6-T7-93.6
W23	RINE LARRY T & A CHRISTINE	6-T7-93.2
X24	HARTLIEB WILLIAM D & CYNTHIA A	6-T7-93.4
Y25	WILSON ADAM LUCAS	6-T7-93.3
Z26	WILSON ADAM LUCAS	6-T7-93
A27	TAGGART CALVIN J ET AL	6-T7-125
B28	BLASS SCOTT S & KATHY A	6-T7-62.3
C29	ROBINSON WILLIAM C & AUDREY A	10-W71-9.1
D30	ST MYERS ROCHELLE M	10-W71-2.1
E31	WHARTON THOMAS L GAST C MICHAEL	10-W71-8
F32	KOZICKI DENNIS A & CARRIE B	10-W71-7

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
G33	ALLEN THOMAS BRADLEY & AMBER N ALLEN	10-W71-5
H34	SMITH STEPHEN B & LINDA P	10-W76-26
I35	SCHMITT MATTHEW T & JENNIFER L	10-W76-27
J36	SQUIRES ALVEY O & M A	10-W76-28
K37	HERRON ROBERT D JR & DINA M	10-W76-29
L38	RAHBAR MAHMOOD & V G	10-W76-30
M39	SCOTT CHARLES D SR	10-W76-1.8
N40	SCOTT CHARLES D SR	10-W76-1.3
O41	GILBERT JOSEPH W	10-W76-12
P42	SCOTT CHARLES D SR	10-W76-13
Q43	SCOTT CHARLES D JR & CHARLES D SR	10-W76-14
R44	NORMAN PAUL E	10-W76-15
S45	SCOTT CHARLES D SR	10-W76-16
T46	SCOTT CHARLES D & SCOTT CHAD CHRISTOPHER	10-W82-114
U47	SCOTT CHARLES D SR & SCOTT CHARLES D JR	10-W82-114.1
V48	SCOTT CHARLES DAVID SR	10-W82-115
W49	SCOTT CHARLES D SR	10-W82-117
X50	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118.1
Y51	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118.2
Z52	CAPITAL GREENE LIMITED PARTNERSHIP	10-W82-156
A53	CAPITAL GREENE LIMITED PARTNERSHIP	10-W82-468
B54	VANDYNE AMANDA R	10-W82-190
C55	JACOBS REALTY LLC	10-W82-191
D56	HALL DEREK M	10-W82-192
E57	STACK HOLDINGS LLC	10-W82-213
F58	BARTSCH MARY A	10-W82-214
G59	CHANNELL JUNIOR R & ROBIN D	10-W82-215
H60	AUBER EDWARD T & H V	10-W82-216
I61	KERNS PEGGY S & JASON E JOSEPH	10-W82-217
J62	CASTILOW HENRY L JR & REBECCA L	10-W82-218
K63	MAYNARD JAMES B	10-W82-219
L64	POLLEY CHARLES W & COLLEEN K	10-W82-220
M65	LEECH JENIFER ANN	10-W82-221
N66	ACADIANA PROPERTIES MANAGEMENT LLC	10-W82-222
O67	ACADIANA PROPERTIES MANAGEMENT LLC	10-W82-207
P68	STAHNKE WILLIAM C	10-W82-206
Q69	NAU DAVID J & REBECCA S	10-W82-205
R70	ADAMS JAY S & CHRISTY M	10-W82-204
S71	ZUK CODY T & MEGAN GODDARD	10-W82-203
T72	HARVATH JEFFREY G & J M	10-W82-202
U73	JARRETT HAROLD O & S M	10-W82-177
V74	TWEEDLIE JOSEPH M	6-T12F-19
W75	R&J SMITH FAMILY FARM LLC	6-T12-10
X76	R&J SMITH FAMILY FARM LLC	6-T12K-156
Y77	R&J SMITH FAMILY FARM LLC	6-T12K-155
Z78	MARSH RHONDA K	6-T12K-152
A79	R&J SMITH FAMILY FARM LLC	6-T12K-151
B80	R&J SMITH FAMILY FARM LLC	6-T12K-109
C81	KENT PATRICK S	6-T12K-111
D82	KENT PATRICK S & TAMMY S	6-T12K-141
E83	KENT PATRICK S	6-T12K-192
F84	DERROW JAMES F & EMMA A	6-T12K-188
G85	POCKL ROBERT J & MARY C	6-T12K-207
H86	POCKL ROBERT J JR & MARY C	6-T12P-185
I87	POCKL ROBERT J JR & MARY C	6-T12P-186
J88	POCKL ROBERT J & MARY C	6-T12P-187
K89	HUGHES BESS	6-T12P-188
L90	DERROW JAMES & EMMA	6-T12P-189
M91	REDDY JOHN F	6-T12Q-3
N92	REDDY JOHN F	6-T12L-17
O93	NICHOLS HUGH W	6-T12Q-5
P94	LANGMYER ROBERT L & TAMMY M	6-T12Q-4

05/15/2026

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

6H

DRAWN BY: TMF

DISTRICT:

RICHLAND

COUNTY:

OHIO

STATE:

WV

SCALE:

N/A

DRAWING NO: 2326

WELL LOCATION PLAT



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

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
G33	ALLEN THOMAS BRADLEY & AMBER N ALLEN	10-W71-5
H34	SMITH STEPHEN B & LINDA P	10-W76-26
I35	SCHMITT MATTHEW T & JENNIFER L	10-W76-27
J36	SQUIRES ALVEY O & M A	10-W76-28
K37	HERRON ROBERT D JR & DINA M	10-W76-29
L38	RAHBAR MAHMOOD & V G	10-W76-30
M39	SCOTT CHARLES D SR	10-W76-1.8
N40	SCOTT CHARLES D SR	10-W76-1.3
O41	GILBERT JOSEPH W	10-W76-12
P42	SCOTT CHARLES D SR	10-W76-13
Q43	SCOTT CHARLES D JR & CHARLES D SR	10-W76-14
R44	NORMAN PAUL E	10-W76-15
S45	SCOTT CHARLES D SR	10-W76-16
T46	SCOTT CHARLES D & SCOTT CHAD CHRISTOPHER	10-W82-114
U47	SCOTT CHARLES D SR & SCOTT CHARLES D JR	10-W82-114.1
V48	SCOTT CHARLES DAVID SR	10-W82-115
W49	SCOTT CHARLES D SR	10-W82-117
X50	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118.1
Y51	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118.2
Z52	CAPITAL GREENE LIMITED PARTNERSHIP	10-W82-156
A53	CAPITAL GREENE LIMITED PARTNERSHIP	10-W82-468
B54	VANDYNE AMANDA R	10-W82-190
C55	JACOBS REALTY LLC	10-W82-191
D56	HALL DEREK M	10-W82-192
E57	STACK HOLDINGS LLC	10-W82-213
F58	BARTSCH MARY A	10-W82-214
G59	CHANNELL JUNIOR R & ROBIN D	10-W82-215
H60	AUBER EDWARD T & H V	10-W82-216
I61	KERNS PEGGY S & JASON E JOSEPH	10-W82-217
J62	CASTILOW HENRY L JR & REBECCA L	10-W82-218
K63	MAYNARD JAMES B	10-W82-219
L64	POLLEY CHARLES W & COLLEEN K	10-W82-220
M65	LEECH JENIFER ANN	10-W82-221
N66	ACADIANA PROPERTIES MANAGEMENT LLC	10-W82-222
O67	ACADIANA PROPERTIES MANAGEMENT LLC	10-W82-207
P68	STAHNKE WILLIAM C	10-W82-206
Q69	NAU DAVID J & REBECCA S	10-W82-205
R70	ADAMS JAY S & CHRISTY M	10-W82-204
S71	ZUK CODY T & MEGAN GODDARD	10-W82-203
T72	HARVATH JEFFREY G & J M	10-W82-202
U73	JARRETT HAROLD O & S M	10-W82-177
V74	TWEEDLIE JOSEPH M	6-T12F-19
W75	R&J SMITH FAMILY FARM LLC	6-T12-10
X76	R&J SMITH FAMILY FARM LLC	6-T12K-156
Y77	R&J SMITH FAMILY FARM LLC	6-T12K-155
Z78	MARSH RHONDA K	6-T12K-152
A79	R&J SMITH FAMILY FARM LLC	6-T12K-151
B80	R&J SMITH FAMILY FARM LLC	6-T12K-109
C81	KENT PATRICK S	6-T12K-111
D82	KENT PATRICK S & TAMMY S	6-T12K-141
E83	KENT PATRICK S	6-T12K-192
F84	DERROW JAMES F & EMMA A	6-T12K-188
G85	POCKL ROBERT J & MARY C	6-T12K-207
H86	POCKL ROBERT J JR & MARY C	6-T12P-185
I87	POCKL ROBERT J JR & MARY C	6-T12P-186
J88	POCKL ROBERT J & MARY C	6-T12P-187
K89	HUGHES BESS	6-T12P-188
L90	DERROW JAMES & EMMA	6-T12P-189
M91	REDDY JOHN F	6-T12Q-3
N92	REDDY JOHN F	6-T12L-17
O93	NICHOLS HUGH W	6-T12Q-5
P94	LANGMYER ROBERT L & TAMMY M	6-T12Q-14

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
Q95	WAKEFIELD LESTER L & L EVA	6-T12Q-20
R96	ELBERT JAMES III	6-T12Q-23
S97	M&J LOGISTICS LLC	6-T12Q-24
T98	SNYDER MICHAEL ALLEN	6-T12Q-25.1
U99	MILLIKEN MATTHEW DALE	6-T12Q-40.1
V100	VANFOSSEN KURT & SUMMER	6-T12Q-41
W101	SEABRIGHT ALBERT A	6-T12Q-42
X102	SEABRIGHT ALBERT A	6-T12Q-43
Y103	VOPAL GREGORY C & C A	6-T12Q-44
Z104	VOPAL CHRISTINA A	6-T17C-11
A105	HARRIS CARL A & CONNIE S	6-T17C-9
B106	STRAIGHT JOHANNA	6-T17C-8
C107	KENT TERRY L	6-T17C-7
D108	KING STEPHANIE M	6-T17C-6
E109	CAPPONE RAYMOND A & KAREN	6-T17-15
F110	ROSEBERRY SHELBY & JOHN M PARKER	6-T17C-5.1
G111	BONAR RICHARD A & C K	6-T17C-5.2
H112	WOODS MARSHA M	6-T17C-5.4
I113	TAYLOR JACK M & G J	6-T17C-5.3
J114	HARTMAN WALTER L & GLORIA L HARTMAN - TOD	6-T17C-4
K115	BEALL CHARLES H & J I	6-T17C-3
L116	BEALL CHARLES H AND JOYCE I	6-T17B-238
M117	MUNDIE NEAL W	6-T17B-214
N118	MUNDIE NEAL SR & KATHY	6-T17B-178
O119	MUNDIE NEIL	6-T17B-145
P120	MUNDIE NEIL	6-T17B-144
Q121	MUNDIE NEIL	6-T17B-143
R122	MUNDIE NEIL	6-T17B-142
S123	MUNDIE NEIL	6-T17B-141
T124	RICHTER MICHELLE S	6-T17B-138
U125	RICHTER MICHELLE S	6-T17B-137
V126	RICHTER MICHELLE S	6-T17B-136
W127	RICHTER MICHELLE S	6-T17B-135
X128	KURI SHANNALEE A	6-T17B-134
Y129	STURM EARL F IV	6-T17B-133
Z130	MKV RENTALS LLC	6-T17B-132
A131	KURI SHANNALEE A	6-T17B-131
B132	PAWLACK GREG P & BARBARA J	6-T17B-87
C133	HUMMEL ZACHARY M C/O WESBANCO TRUST DEPT	6-T12P-157
D134	DERR ALFRED	6-T12P-218
E135	MCGINNIS CODY L	6-T12P-256
F136	MCGINNIS CODY L	6-T12P-255
G137	MITSCH JOSEPH & CHRISTINE	6-T12P-251
H138	KEEGAN KEVIN AND MATHEWS KAREN	6-T12P-250
I139	REDDY JOHN F	6-T12P-233
J140	REDDY JOHN F	6-T12P-196
K141	OPIC RICHARD A JR	6-T12P-191
L142	STAUVER MICHAEL A & ERICA ANN	6-T12P-181
M143	POCKL ROBERT & M C	6-T12P-182
N144	VETANZE TINA ET AL	6-T12K-180
O145	SLIE RUSTY ALLEN & JO ANN -TOD	6-T12K-176
P146	HUNTSMAN RUTH	6-T12K-183.1
Q147	CLOSSON CALVIN	6-T12K-181
R148	THE WHEELING REALTY COMPANY	
S149	THORN DENNIS R	6-T12K-165
T150	ARENSBERG D C & N L -SELLERS HUMES WILLARD L -BUYER	6-T12K-138.1
U151	HERCULES JOHN W JR	6-T12K-128.1

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

DATE: 03-31-2026

WELL #:

6H

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
V152	KENT JEFFREY D AND KELLY J	6-T12K-115
W153	SHIELDS ALFRED & D M C/O BROCK WILLIAM	6-T12K-116
X154	KENT DAVID S & MARY ANN E	6-T12K-117
Y155	KENT DAVID S	6-T12K-118
Z156	KENT DAVID S	6-T12K-119
A157	KENT DAVID & MARYANN E	6-T12K-121
B158	DEVAVLT ISAAC H & MONICA E	6-T12K-90
C159	DOUGHERTY DAVID L & LORETTA M DOUGHERTY - TOD	6-T12K-91.3
D160	DOUGHERTY DAVID L & LORETTA M	6-T12F-11.1
E161	MIRANDY STEPHEN M & WENDY L	6-T12F-11
F162	BARNETT DOLORES	6-T12F-13
G163	CLAWSON HARRIS A	10-W82-250
H164	SHAFFER FAMILY IRREVOC TRUST; SHAFFER CARL & CLARA TRUSTEES	10-W82-251
I165	VILLANOVA THOMAS E	10-W82-252
J166	MEGNA COLLEEN C	10-W82-253
K167	COLLEY C R & V M	10-W82-254
L168	WHITE KIMBERLY A	10-W82-255
M169	GRESKEVITCH THOMAS ALLEN	10-W82-269
N170	SMITH STEPHEN B & LINDA P	10-W82-268
O171	NICKERSON DOROTHY M (LIFE EST) NICKERSON WILLIAM RALPH	10-W82-267
P172	RECKLINE AMANDA L	10-W82-266
Q173	SMITH SUSAN L	10-W82-265
R174	COURTS ALFRED T AND KAREN S	10-W82-264
S175	MCGAHA MONA LEE	10-W82-262
T176	ELLIOTT GERALD R	10-W82-263
U177	HORBATAK MICHELLE	10-W82-281
V178	DOBZYNSKI W G & T L RES'V LE)	10-W82-28
W179	FREED JOHN D & KATHERINE E	10-W82-283
X180	BUSICK VIRGINIA S - TOD	10-W82-284
Y181	NNN REIT LP	10-W82-118.10
Z182	PETROCK JOHN D JR & CHRISTINA N	10-W82-116.2
A183	CARENBAUER JOAN L	10-W82-116
B184	PETROCK JOHN D JR	10-W82-58
C185	SOVINSKY GLORIA JEAN	10-W82-84
D186	CHAVANAK RENAY & RICK HILL	10-W82-85
E187	BOOTZ JASON & CHRISTINE	10-W76-6.1
F188	BOOTZ JASON & CHRISTINE	10-W76-6
G189	CROFT HARRY NELSON JR CROFT RACHEL	10-W76-3
H190	CROFT HARRY N & F G	10-W82-112
I191	SCOTT CHARLES D SR	10-W76-1.4
J192	MCKENZIE VELMA J	10-W76-1
K193	MARTIN REBEKAH J & JOHN E III	10-W76-1.9
L194	RICHARDS DAVID M & CINDY S	10-W76-1.13
M195	RICHARDS DAVID M & CINDY S	10-W76-1.10
N196	RICHARDS DAVID & CINDY	10-W71-10.2
O197	ROBINSON BRANDON N WANDLING KRISTEN G	10-W71-10
P198	CALDWELL NOEL G & MARY	10-W71-10.1
Q199	CALDWELL MARY ESTHER	6-T7-62.1
R200	CORKRAN VIRGINIA ANN	6-T7-63
S201	CORKRAN RALPH E	6-T7-33
T202	CORKRAN EARLE LEE JR ET AL	6-T7-36
U203	LOY CODY M	6-T7-39
V204	GLASER KATHLEEN A	6-T7-34
W205	SOVINSKY TYLER E	6-T7-31
X206	PRAGER SUZANNE	6-T7-22.1
Y207	HOCKENBERRY JOHN R	6-T7-25
Z208	HOCKENBERRY JOHN R	6-T7-24.4
A209	HESLOP PAMELA JEAN	6-T7-23

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
B210	HESLOP PAMELA JEAN	6-T7-24
C211	HESLOP PAMELA JEAN	6-T7-18
D212	WHEELING PARK COMMISSION	10-W70-11
E213	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	10-W64-1
F214	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	6-T7-1.1
G215	KHOURY NAHLA N SLA TRUST	10-W48-32
H216	PALMER JOHN A JR & ROSE	10-W48-36
I217	PALMER JOHN A JR & ROSE	10-W48-35
J218	WALTERS JOHN S & JODI M	10-W41A-13
K219	MONAHAN RICHARD A & MARILYN M	10-W41A-12
L220	KIGER JUSTIN T & NIKKI S	10-W41A-6
M221	RCK 2 GROUP LLC VOGRIN STEPHEN T	10-W41A-1
N222	ZATEZALO J ZACHARY & JESSICA	10-W41A-5
O223	COONEY ANDREW R	10-W41A-10
P224	HOHMAN PAUL W	10-W41A-9
Q225	LOY SEAN D & MICHELLE S	10-W41A-8
R226	KELLAS SHERRI K - TOD	10-W41A-7
S227	BOFFA DANIEL E & ANDREA M	10-W41A-21
T228	SPADAFORE CHARLES A	10-W41A-20
U229	DUNBAR KENNETH R & ROBIN J	10-W41A-19
V230	BAKER CADI DUPLAGA & JOSEPH MICHAEL BAKER	10-W41A-18
W231	HETHERINGTON GLEN	10-W41A-27
X232	WANG ZHENGYI & ZI XIAOXIA	10-W41A-26.1
Y233	RCK 2 GROUP LLC VOGRIN STEPHEN T	10-W41A-26
Z234	FLEAGANE JAMES J & NORMA J	10-W41A-25
A235	VOGRIN STEPHEN T	10-W41-38
B236	STORCH PETER G & LAURIE L	10-W41-46
C237	KOVALICK ROBERT J JR	10-W41-45
D238	MCGINLEY JOSEPH R & KELLY K	10-W41-44.2
E239	MCGINLEY JOSEPH R & KELLY K	10-W41-44.1
F240	MCGINLEY JOSEPH R & KELLY K	10-W41-44
G241	MCGINLEY JOSEPH R & KELLY K	10-W41-43
H242	STORCH PETER G & LAURIE	10-W41-42
I243	HINEGARDNER JAMES L & B S	10-W41-41
J244	HINEGARDNER JAMES L JR & BRENDA S	10-W41-40
K245	STEADMAN STELLA M - TOD	10-W41-39
L246	INGRAM ROBERT H & MARLENE L-	10-W41-35.2
M247	BARANOWSKI CRYSTAL L	10-W41-24.2
N248	MCKEETS JEANNE M - TOD	10-W41-24.1
O249	HAMM WILLIAM A	10-W41-24
P250	RUSSELL NESBITT SERVICES INC	10-W34-16
Q251	HOLT SHERYL L	10-W34-17.1
R252	HOLT SHERYL L	10-W34-17
S253	HOLT SHERYL L	10-W34-17.2
T254	NALLY SUSAN B	10-W34-18
U255	SNIDER JAMES & CINDY	10-W34-18.3
V256	SNIDER JAMES & CINDY	10-W34-18.1
W257	SNIDER JAMES & CINDY	10-W34-29.1
X258	WHEELING PARK COMMISSION	10-W34-29
Y259	WHEELING PARK COMMISSION	10-W34-28
Z260	SNIDER JAMES R	10-W34-27
A261	YOUNG DANIEL & CHELSEA	10-W34-26
B262	YOUNG DANIEL & CHELSEA	10-W34-25
C263	YOUNG DANIEL R & CHELSEA R	10-W34-25.1
D264	YOUNG DANIEL R & CHELSEA R	10-W33-331.9

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS: 		COMPANY: 	
OPERATOR'S WELL #: DISTRICT: RICHLAND		SHANNON FIELDS OHI 6H 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
E265	UNKNOWN	
F266	PHILLIPSON SANDIN E	6-T1-1
G267	GC&P DEVELOPMENT LLC	10-W26-90
H268	LOHR LINDA J	10-W26-89
I269	GACS L P	10-W26-90.1
J270	LLL LLC	4-R17-6
K271	SEABRIGHT JACK & DANIELLE	4-R17-6.4
L272	SEABRIGHT JACK & DANIELLE	4-R17-6.2
M273	SEABRIGHT JACK & DANIELLE	4-R17-6.3
N274	COMMUNITY IMPACT LAND HOLDING INC	10-W27-1
O275	COMMUNITY IMPACT LAND HOLDING INC	10-W27-2.1
P276	FOREST BROOK CONDOS	10-W27-3
Q277	UNKNOWN	
R278	GACS LP	10-W27A-1
S279	CITY OF WHEELING	4-R14-15
T280	BURGE EDWARD LEE JR	4-R17-8.1
U281	ZIOLKOWSKI DAVID J & SANDRA	4-R14-66
V282	KNOX TARA MICHELLE & TORY JAY	4-R17-59.1
W283	EDDY MARTHA M	4-R17-59.2
X284	STORCH PETER G & LAURIE L	10-W41-46

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

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

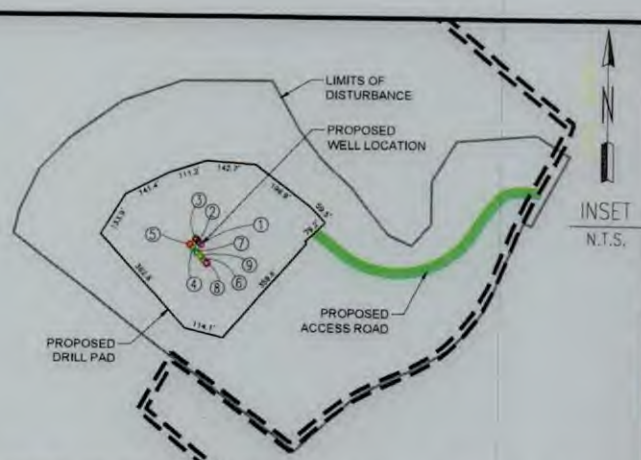


SURVEYOR/ENGINEER:
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
1-304-933-3463

SURFACE HOLE LOCATION (SHL):	AZIMUTH POINT LOCATION (AZL2):	AZIMUTH POINT LOCATION (AZL5):
GEOGRAPHIC (NAD83): LATITUDE: 40.088275° LONGITUDE: -80.657753°	GEOGRAPHIC (NAD83): LATITUDE: 40.081695° LONGITUDE: -80.669542°	GEOGRAPHIC (NAD83): LATITUDE: 40.052123° LONGITUDE: -80.652918°
SPCS (NAD83, WV NORTH, FEET): NORTHING: 14,559,062.280 EASTING: 1,736,139.860	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,556,653.880 EASTING: 1,732,851.380	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,545,903.060 EASTING: 1,737,543.430
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,611.058 EASTING: 529,176.488	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,876.976 EASTING: 528,174.157	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,600.120 EASTING: 529,604.297
SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 580,597.054 EASTING: 1,644,576.165	SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 578,243.161 EASTING: 1,641,246.640	SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 567,411.443 EASTING: 1,645,759.786
GEOGRAPHIC (NAD27): LATITUDE: 40.088202° LONGITUDE: -80.657953°	GEOGRAPHIC (NAD27): LATITUDE: 40.081623° LONGITUDE: -80.669741°	GEOGRAPHIC (NAD27): LATITUDE: 40.052050° LONGITUDE: -80.653118°
SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 580560.299 EASTING: 1,676,011.374	SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 578,206.445 EASTING: 1,672,681.950	SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 567,374.723 EASTING: 1,677,194.978
LANDING POINT LOCATION (LPL):	AZIMUTH POINT LOCATION (AZL3):	AZIMUTH POINT LOCATION (AZL6):
GEOGRAPHIC (NAD83): LATITUDE: 40.083737° LONGITUDE: -80.670978°	GEOGRAPHIC (NAD83): LATITUDE: 40.055793° LONGITUDE: -80.653922°	GEOGRAPHIC (NAD83): LATITUDE: 40.048961° LONGITUDE: -80.651739°
SPCS (NAD83, WV NORTH, FEET): NORTHING: 14,557,396.000 EASTING: 1,732,447.000	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,547,238.110 EASTING: 1,737,257.240	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,544,752.840 EASTING: 1,737,877.940
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,103.175 EASTING: 528,050.902	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,434,007.044 EASTING: 529,517.066	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,249.532 EASTING: 529,706.256
SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 578,992.215 EASTING: 1,640,854.591	SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 568,751.574 EASTING: 1,645,495.878	SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 566,255.374 EASTING: 1,646,075.118
GEOGRAPHIC (NAD27): LATITUDE: 40.083665° LONGITUDE: -80.671177°	GEOGRAPHIC (NAD27): LATITUDE: 40.055719° LONGITUDE: -80.654122°	GEOGRAPHIC (NAD27): LATITUDE: 40.048888° LONGITUDE: -80.651939°
SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 578,955.499 EASTING: 1,672,289.911	SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 568,714.852 EASTING: 1,676,931.076	SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 566,218.655 EASTING: 1,677,510.302
AZIMUTH POINT LOCATION (AZL1):	AZIMUTH POINT LOCATION (AZL4):	BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.082182° LONGITUDE: -80.669863°	GEOGRAPHIC (NAD83): LATITUDE: 40.053025° LONGITUDE: -80.652999°	GEOGRAPHIC (NAD83): LATITUDE: 40.030023° LONGITUDE: -80.638605°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,556,830.850 EASTING: 1,732,760.960	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,546,231.350 EASTING: 1,737,519.650	SPCS (NAD83, WV NORTH, FEET): NORTHING: 14,537,871.480 EASTING: 1,741,581.470
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,930.917 EASTING: 528,146.597	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,700.183 EASTING: 529,597.049	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,152.089 EASTING: 530,835.094
SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 578,421.684 EASTING: 1,641,159.162	SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 567,740.203 EASTING: 1,645,741.495	SPCS (NAD 83, WEST VIRGINIA NORTH): NORTHING: 559,310.547 EASTING: 1,649,664.277
GEOGRAPHIC (NAD27): LATITUDE: 40.082109° LONGITUDE: -80.670062°	GEOGRAPHIC (NAD27): LATITUDE: 40.052952° LONGITUDE: -80.653199°	GEOGRAPHIC (NAD27): LATITUDE: 40.029950° LONGITUDE: -80.638806°
SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 578,384.968 EASTING: 1,672,594.474	SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 567,703.481 EASTING: 1,677,176.688	SPCS (NAD 27, WEST VIRGINIA NORTH): NORTHING: 559,273.816 EASTING: 1,681,099.363

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 73°26'07" W	780.29'	SHL TO LANDMARK	STONE FOUND
L2	N 25°10'47" E	993.92'	SHL TO LANDMARK	CONCRETE MONUMENT

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 65°42'52" W	4,051.38'	4,648.37'	SHL TO LPL
L4	S 29°03'13" E	646.50'	646.50'	AZL1 TO AZL2
L5	S 27°03'51" E	198.73'	198.73'	AZL2 TO AZL3
L6	S 25°04'34" E	10,395.59'	10,395.59'	AZL3 TO AZL4
L7	S 14°36'32" E	1,040.40'	1,046.21'	AZL4 TO AZL5
L8	S 04°08'35" E	329.15'	329.15'	AZL5 TO AZL6
L9	S 16°12'56" E	1,197.87'	1,193.57'	AZL6 TO AZL7
L10	S 28°17'20" E	7,814.68'	7,814.68'	AZL7 TO BHL



COMPANY: **expand**

OPERATOR'S: SHANNON FIELDS OHI

WELL #: 6H

DISTRICT: RICHLAND COUNTY: OHIO STATE: WEST VIRGINIA

DATE: 05/15/2026

SWN PRODUCTION COMPANY, LLC
SURFACE HOLES

- "SHANNON FIELDS-OHI 310H"
- "SHANNON FIELDS-OHI 10H"
- "SHANNON FIELDS-OHI 1H"
- "SHANNON FIELDS-OHI 3H"
- "SHANNON FIELDS-OHI 5H"
- "SHANNON FIELDS-OHI 6H"
- "SHANNON FIELDS-OHI 8H"
- "SHANNON FIELDS-OHI 201H"
- "SHANNON FIELDS-OHI 202H"

REVISIONS: DATE: 03-31-2026

DRAWN BY: TMF
SCALE: 1" = 2000'
DRAWING NO: 2326
INTERNAL WELL PLAT

NOTE: ANY UTILITIES OR IMPROVEMENTS SHOWN ON THIS PLAT ARE FROM REASONABLE VISUAL OBSERVATIONS. NO UTILITY COMPANIES WERE CONTACTED FOR UTILITY LINE LOCATIONS.

LEGEND:

○ PROPOSED SURFACE-HOLE / BOTTOM HOLE	■ DRILLING UNIT
⊙ EXISTING / PRODUCING WELLHEAD	--- LEASE BOUNDARY
⊗ ABANDONED WELL	— HARDLINE BOUNDARY
⊕ PLUGGED & ABANDONED WELL	- UPP 2 > - UPPER POINT PLEASANT PATH
● LPL LANDING POINT LOCATION	- MAR 2 > - MARCELLUS PATH



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	DOBBS DANIEL L & JULIE A	6-T1-13
7	RCK 2 GROUP LLC 1/2 VOGGRIN MICHELLE L 1/2	10-W41-74
8	PERRY LEWIS A JR & SHARON L	10-W41A-11
9	ZATEZALO J ZACHARY & JESSICA	10-W41A-4
10	GRUBER JUSTINE G	10-W41A-3
11	GRUBER JUSTINE G	10-W41A-2
12	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	6-T6-1
13	RCK 2 GROUP LLC	6-T2-13.1
14	WHEELING PARK COMMISSION	6-T7-1
15	NICKERSON DOUGLAS E & A E	6-T7-16
16	JOSEPH PATTY J	6-T7-15
17	MISZAROS ARNOLD P JR	6-T7-14
18	PRAGER SUZANNE	6-T7-22
19	MCDERMOTT PAULA JEAN	6-T7-28
20	SHOOK RODNEY & MOTT BETTY	6-T7-26
21	CORKRAN RALPH & ED C	6-T7-58
22	MORTIMER FRANCES J & T F C/O MORTIMER MARK	6-T7-93.7
23	CORKRAN BRIAN & CRYSTAL	6-T7-60
24	BLASS SCOTT S & KATHY A	6-T7-62
25	CALDWELL MARY	6-T7-62.4
26	BLASS SCOTT S & KATHY A	6-T7-62.2
27	BLASS SCOTT STEVEN BLASS KATHY ANN	6-T7-94
28	BLASS SCOTT S & KATHY A	10-W71-9
29	MEIGH THOMAS W & CONNIE J	10-W71-2
30	BENSON MICHAEL W & KRISTEN C	10-W71-2.2
31	ADERHOLT JOHN D & MOLLY J	10-W71-3
32	JACKSON TIFFANY ANNE	10-W71-1
33	NALLY JOHN H & B J	10-W71-4
34	LOEFFLER KEITH L & JOAN LESLIE	10-W76-1.12
35	LOEFFLER KENNETH L & SVETLANA	10-W76-1.1
36	TURNER ELAINE E	10-W76-1.11
37	GILBERT JOSEPH W	10-W76-8
38	MARTIN REBEKAH J & JOHN E III	10-W76-1.2
39	CROFT HARRY N & FLORENCE G	10-W76-1.6
40	SCOTT CHARLES D SR & SCOTT CHARLES D JR	10-W76-7
41	SCOTT CHARLES SR & CHARLES JR	10-W76-9
42	CROFT HARRY N & FLORENCE G	10-W76-10
43	LEVITT SHANE R & LEVITT JANET L	10-W82-113
44	WHORTON KRISTEN G & PATRICK C RUCKH	10-W82-116.3
45	SLYDER ROBERT L	10-W82-116.1
46	WHEELING CREEK	
47	PINION REALTY COMPANY; ELM GROVE PLAZA LLC	10-W82-118
48	ELM GROVE PROPERTIES LLC C/O ELM GROVE PLAZA	10-W82-469
49	W VA DEPT OF HIGHWAYS	U.S. 40
50	MILLER EDWARD L & J E	10-W82-261
51	LUDEWIG CHARLES W & TRACY S	10-W82-260
52	BITZER JOHNNY JR	10-W82-259
53	CARR ERIN N & JUSTIN N	10-W82-258.1
54	REINAUER BRIAN ANTHONY	10-W82-258
55	CORLEY KEVIN W & LAURA M	10-W82-257
56	YESENCZKI MICHAEL A & JERRI L	10-W82-256
57	HUGGINS ANDREW D	10-W82-223

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S)	TAX PARCEL
58	CUNNINGHAM KENNETH L & B S	10-W82-224
59	HASTINGS ARTHUR R SR & RONDA A	10-W82-225
60	HARTMAN WALTER L & SUE A	10-W82-226
61	STAHL CHRISTOHER S & HOLLY M	10-W82-227
62	W VA DEPT OF HIGHWAYS	170
63	MIRANDY STEPHEN M & WENDY L	6-T12F-8
64	MIRANDY STEPHEN M & WENDY L	6-T12K-91
65	R&J SMITH FAMILY FARM LLC	6-T12K-100
66	R&J SMITH FAMILY FARM LLC	6-T12K-101
67	KENT DAVID S	6-T12K-105
68	KENT DAVID S	6-T12K-103
69	KENT DAVID S	6-T12K-104
70	KENT DAVID S	6-T12K-106
71	R&J SMITH FAMILY FARM LLC	6-T12K-107
72	KENT JEFFREY D AND KELLY J	6-T12K-112
73	MCKENNEN JERRY & DEBRA	6-T12K-139
74	KENT PATRICK S	6-T12K-140
75	HUNTSMAN FAMILY IRREVO TRUST; RUTH A HUNTSMAN TRUSTEE	6-T12K-184
76	HUNTSMAN FAMILY IRREVO TRUST	6-T12K-185
77	HUNTSMAN FAMILY IRREVO TRUST	6-T12K-186
78	POCKL ROBERT J & MARY C	6-T12K-187
79	POCKL ROBERT & M C	6-T12K-208
80	POCKL ROBERT & M C	6-T12K-209
81	POCKL ROBERT J JR & MARY C	6-T12P-184
82	REDDY JOHN F	6-T12P-183
83	REDDY JOHN F	6-T12P-235
84	WILLSON LINNIE ANN & WILLIAM PERRY DARNEY	6-T12P-244
85	TREIBER BONNIE J	6-T12P-265
86	LEWIS GERALD ET AL	6-T12Q-21
87	DOYLE-ENNIS TRACY L	6-T12Q-22.1
88	STEVEY AGNES ET AL	6-T12Q-22
89	WOOD CINDY P	6-T12Q-26
90	KAPPAS PAULA & MARK	6-T12Q-30.2
91	WARD DONALD J & SHARON F	6-T12Q-30.3
92	WARD DONALD J & S F	6-T12Q-30.1
93	SOLTESZ KEVIN C	6-T12Q-31
94	WISVARI LINDA L	6-T12Q-32
95	DIXON REBECCA L & MATTHEW D	6-T17C-10
96	MUNDIE NEAL W	6-T17C-1
97	KUHL MARY ANN & ETTER ARNOLD JR	6-T17C-5

05/15/2026

REVISIONS:	COMPANY:		
	OPERATOR'S	SHANNON FIELDS OHI	
	WELL #:	6H	
	DISTRICT:	COUNTY:	STATE:
	RICHLAND	OHIO	WV
			DATE: 03-31-2026
			DRAWN BY: TMF
			SCALE: N/A
			DRAWING NO: 2326
			WELL LOCATION PLAT

WW-6A1
(5/13)

Operator's Well No. Shannon Fields OHI 6H

**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
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See Exhibit "A"

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Office of Oil and Gas

APR 09 2026

WV Department of
Environmental Protection

*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: _____

Its: _____

Landman II

EXHIBIT "A"
Shannon Fields OHH GH
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
1	4-R17-23 2	Mary Carter Topp, 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 Barro, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	805 270 884 157, 888 786 1094 490	
		Nada E. Benke, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	805 270 884 157, 888 786 1094 490	
3	4-R17-8	Cornerstone Family Services of West Virginia, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	814 586 884 121 1094 490	0.00%
4	4-R17-6.1	The Parks System Trust Fund of Wheeling	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	978 251 1094 490	0.00%
5	6-T1-2	Wheeling Park Commission, a Public Corporation and Governmental Subdivision of the City of Wheeling and the City of Wheeling, a Municipal Corporation	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	978 248 1094 490	0.00%
6	6-T1-13	Daniel L. Dobbs and Julie A. Dobbs, 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	935 306 980 572 1094 490	0.00%
7	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. Vogrin and Stephen T. Vogrin, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 653 1094 490	
8	10-W41A-11	RCK 2 Group, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 643 1094 490	0.00%
		Michelle L. Vogrin and Stephen T. Vogrin, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 653 1094 490	
9	10-W41A-4	RCK 2 Group, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 643 1094 490	0.00%
		Michelle L. Vogrin and Stephen T. Vogrin, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 653 1094 490	
10	10-W41A-3	RCK 2 Group, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 643 1094 490	0.00%
		Michelle L. Vogrin and Stephen T. Vogrin, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 653 1094 490	
11	10-W41A-2	RCK 2 Group, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 643 1094 490	0.00%
		Michelle L. Vogrin and Stephen T. Vogrin, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 653 1094 490	
12	6-T6-1	Roman Catholic Diocese of Wheeling-Charleston, by Michael J. Bransfield, Bishop	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	937 667 1094 490	0.00%
13	6-T2-13.1	RCK 2 Group, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 643 1094 490	0.00%
		Michelle L. Vogrin and Stephen T. Vogrin, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	936 653 1094 490	
14	6-T7-1	Robert G. Beard, Martha Jane Cagle, Ronald Morris Beard, Pamela S. Keys, Jacquelyn Ann Jacobs and Margery Ellen Krimer, amended 5/25/2011 to include Jessie Ruth Caldwell	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	820 268 885 105 1094 490	0.00%
		The Parks System Trust Fund of Wheeling	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	978 251 1000 456 1094 490	
15	6-T7-16	Douglas Edward Nickerson and Andrea Elizabeth Nickerson, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	956 298 1094 490	0.00%
16	6-T7-15	Released owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
17	6-T7-14	Arnold P. Mincarov, Jr.	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	938 505 1094 490	0.00%
18	6-T7-22	Five Star Resources	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1027 132 1094 490	0.00%
19	6-T7-28	Paula Jean McDermott	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	937 543 1094 490	0.00%
20	6-T7-26	Brian Mott and Betty Mott, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	956 773 1094 490	0.00%
		Rodney Shook, single	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	958 18 1094 490	
		Alan L. Corkran, 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	1099 15 1094 490	0.00%
		Brian Lee Corkran, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1002 424 1094 490	
		Tara Corkran, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1005 200 1094 490	

0.00%
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Office of Oil and Gas
APR 09 2026
WV Department of Environmental Protection

Docket/Cause 452-586

EXHIBIT "A"
Shannon Fields O&G H
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	BR/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
21	6-17-58	Scott P. Corkran, Jr., a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1002.417 1094.490	87.33%
		Kody Michael Corkran, 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	1004.19 1094.490	
		Debra Jean Corkran-Corner, 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	1002.382 1094.490	
		Donna Lee Beasley, 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	1002.410 1094.490	
		James E. Corkran, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1022.610 1094.490	
		Daniel Corkran, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1025.140 1094.490	
		Brittany Corkran, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1057.750 1094.490	
		Jennifer Hayes Jonovich, 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	1071.356 1094.490	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
22	6-17-93.7	Ronald P. Stewart and Celia A. Stewart, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	954.542 1094.490	0.00%
23	6-17-60	Crystal J. Jozwick, f/a Crystal J. Corkran, 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	960.155 1094.490	0.00%
		Brian Lee Corkran, single	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	960.180 1094.490	
24	6-17-62	Scott S. Blass and Kathy A. Blass, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.480 1094.490	0.00%
25	6-17-62.4	Mary Esther Caldwell aka Mary Caldwell, a widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.419 1094.490	0.00%
26	6-17-62.2	Scott S. Blass and Kathy A. Blass, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.480 1094.490	0.00%
27	6-17-94	Scott S. Blass and Kathy A. Blass, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.480 1094.490	0.00%
28	10-W71-9	Scott S. Blass and Kathy A. Blass, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.480 1094.490	0.00%
29	10-W71-2	Thomas W. Meigh and Connie J. Meigh, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.468 1094.490	0.00%
30	10-W71-2.2	Michael W. Benson and Kristen C. Benson, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.693 1094.490	0.00%
31	10-W71-3	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	971.143 1094.490	0.00%
32	10-W71-1	Tiffany Anne Jackson f/a Tiffany Anne LaMagna	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.725 1094.490	0.00%
33	10-W71-4	John H. Nally and Barbara J. Nally, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.494 1094.490	0.00%
34	10-W76-1.12	Keith L. Loeffler and Joan Leslie Loeffler, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	969.444 1094.490	0.00%
35	10-W76-1.1	Kenneth L. Loeffler and Svetlana Loeffler, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	970.536 1094.490	0.00%
36	10-W76-1.11	Elaine E. Turner, single	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	972.542 1094.490	0.00%
37	10-W76-8	Sally Sorby, widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	935.593 1094.490	0.00%
		Michelle L. Gilbert, f/a Michelle L. Gomez, and Joseph W. Gilbert	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	962.45 1094.490	
38	10-W76-1.2	Stephen R. 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%
39	10-W76-1.6	Hary Nelson Croft and Florence G. Croft, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	810.281	0.00%
40	10-W76-7	Charles D. Scott Sr., a widower	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1007.509 1094.490	0.00%
		Charles D. Scott Jr., 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	1027.65 1094.490	
41	10-W76-9	Charles D. Scott, Jr., married man dealing in sole and separate property	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1027.65 1094.490	0.00%
42	10-W76-10	Hary Croft and Florence Croft, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1052.144 1094.490	0.00%
43	10-W82-113	Shane R. C. Levitt and Janet L. Levitt, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1040.142 1094.490	0.00%

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WV Department of
Environmental Protection

Docket/Cause
452-586

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West Virginia Department of
Economic Development

EXHIBIT "A"
Shannon Fields OHH GH
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	INTERESTS OWNED BY PRODUCTION COMPANY, LLC
44	10-W82-116.3	Kristen O. Ruckh and Patrick C. Ruckh, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1058.57 1094.490	0.00%
45	10-W82-116.1	Robert 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	1050.46 1094.490	0.00%
46	Wheeling Creek	Fincon 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	
47	10-W82-118	Fincon 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	
48	10-W82-469	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	0.00%
		Fincon 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	
49	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	830.11 883,611,889.398 1094.490	0.00%
50	10-W82-261	Edward L. Miller, a widower	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1049.678 1094.490	0.00%
51	10-W82-260	Charles W. Ludewig and Tracy S. Ludewig, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1052.54 1094.490	0.00%
52	10-W82-259	Johnny Bitzer, Jr., a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1052.60 1094.490	0.00%
53	10-W82-258.1	Erin N. Carr and Justin N. Carr, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1042.328 1094.490	0.00%
54	10-W82-258	Brian Anthony Remauer, 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	1079.717 1094.490	0.00%
55	10-W82-257	Kevin W. Corley and Laura M. Corley, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1050.319 1094.490	0.00%
56	10-W82-256	Michael A. Yesenczki and Jerr L. Yesenczki, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1049.400 1094.490	0.00%
57	10-W82-223	Andrew D. Huggins, 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	1042.419 1094.490	0.00%
58	10-W82-224	Released owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
59	10-W82-225	Arthur R. Hastings, Sr., a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1044.276 1094.490	0.00%
60	10-W82-226	Walter L. Hartman, Jr. and Sue A. Hartman, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1049.526 1094.490	0.00%
61	10-W82-227	Christopher Scott Stahl and Holly M. Stahl, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1050.313 1094.490	0.00%
62	I 70	Right of Way	N/A	N/A	N/A	0.00%
63	6-T12K-8	Peggy Dolis, 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	1057.757 1094.490	0.00%
		Wendy L. Mirandy, widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1040.49 1094.490	
64	6-T12K-91	Peggy Dolis, 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	1057.757 1094.490	0.00%
		Wendy L. Mirandy, widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1040.49 1094.490	
65	6-T12K-100	Robert A. Smith, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	814.122	0.00%
66	6-T12K-101	H3, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1040.41 1094.490	0.00%
67	6-T12K-105	David S. Kent and Mayann E. Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1036.620 1094.490	0.00%
68	6-T12K-103	David S. Kent and Mayann E. Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1036.620 1094.490	0.00%
69	6-T12K-104	David S. Kent and Mayann E. Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1036.620 1094.490	0.00%
70	6-T12K-106	David S. Kent and Mayann E. Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1036.620 1094.490	0.00%
71	6-T12K-107	R&J Smith Family Farm, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1071.393 1094.490	0.00%
72	6-T12K-112	Jeffrey D. Kent & Kelly J. Kent, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1036.592 1094.490	0.00%

Docket/Cause
452-586

05/15/2026

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EXHIBIT "A" Shannon Fields OHI 6H 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
73	6-T12K-139	Jerry L. McKenney and Deborah S. McKenney, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1052/35 1094-490	0.00%
74	6-T12K-140	Patrick S. Kent and Tammy S. Hardon-Kent, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1036/599 1094-490	0.00%
75	6-T12K-184	Hurtzman Family Irrevocable Trust dated July 31, 2008, by Ruth A. Hurtzman as Trustee	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1063/221 1094-490	0.00%
76	6-T12K-185	Hurtzman Family Irrevocable Trust dated July 31, 2008, by Ruth A. Hurtzman as Trustee	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1063/221 1094-490	0.00%
77	6-T12K-186	Hurtzman Family Irrevocable Trust dated July 31, 2008, by Ruth A. Hurtzman as Trustee	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1063/221 1094-490	0.00%
78	6-T12K-187	Robert J. Pockl, Jr. and Mary C. Pockl, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1065/696 1094-490	0.00%
79	6-T12K-208	Robert J. Pockl, Jr. and Mary C. Pockl, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1065/696 1094-490	0.00%
80	6-T12K-209	Robert J. Pockl, Jr. and Mary C. Pockl, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1065/696 1094-490	0.00%
81	6-T12P-184	Robert J. Pockl, Jr. and Mary C. Pockl, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1065/696 1094-490	0.00%
82	6-T12P-183	John F. Reddy, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1068/752 1094-490	0.00%
83	6-T12P-235	John F. Reddy, single	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1068/752 1094-490	0.00%
84	6-T12P-244	William Perry Darney and Linnie Ann Wilson, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1068/592 1094-490	0.00%
85	6-T12P-265	Bonnie J. Treibert, 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	1049/751 1094-490	0.00%
86	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	0.00%
		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	0.00%
		Elaine 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	935/223 980/572 1094-490	0.00%
		Gerrardo 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	0.00%
		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	0.00%
		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	0.00%
		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	0.00%
		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	935/241 980/572 1094-490	0.00%
		Linda Kay Myers, a single woman	Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1099/537	0.00%
87	6-T12Q-22 1	Tracy Lee Emma-Doyle, 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	1075/172 1094-490	0.00%
88	6-T12Q-22	Agnes C. Stevey, 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	1063/273 1094-490	0.00%
		Barbara Varner, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1063/254 1094-490	0.00%
		Bernard G. Davidson, Jr., 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	1063/68 1094-490	0.00%
		Cheryl Hayes, 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	1063/25 1094-490	0.00%
		Marie O. Humphreys f/k/a Marie Muzler, 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	1063/248 1094-490	0.00%
89	6-T12Q-26	Cindy Pauline Wood, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1071/462 1094-490	0.00%
90	6-T12Q-30 2	Mark D. Kappas and Paula A. Kappas, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code \$22-6-8	1085/380 1094-490	0.00%
91	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	0.00%
92	6-T12Q-30 1	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	0.00%
93	6-T12Q-31	Unleased owner (s) subject to unitization filing.	N/A	N/A	N/A	100.00%

Docket/Cause
452-586

05/15/2026

EXHIBIT "A" Shannon Fields OHJ GH 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
94	6-T12Q-32	Michael J. Wisvari and Linda L. Wisvari, 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	939.135 980.572 1094.490	0.00%
95	6-T17C-10	Rebecca L. Dixon and Matthew D. Dixon, married	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1074.593 1094.490	0.00%
96	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	1110.335	0.00%
96	6-T17C-1	Wilbert S. Miller and Dagmar E. Miller, husband and wife	Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1101.86	0.00%
97	6-T17C-5	Arnold Etter Kuhl, Jr, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1063.169 1094.490	0.00%
97	6-T17C-5	Mary Ann Chiasza Fk/a Mary Ann Kuhl, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1063.163 1094.490	0.00%
2182	10-W82-116.2	John D. Petrock, Jr., and Christina N. Petrock, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	1059.337 1094.490	0.00%

END OF EXHIBIT "A"

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WV Department of
Environmental Protection



April 1, 2026

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

RE: Expand's proposed New Well: Shannon Fields OHI 6H in Ohio County, West Virginia, Drilling under Boggs Hill Road a/k/a Edgington Lane, St. Charles Avenue, Jenna Way, Sonneborne Road, Armonk Road, Park View Road, Springdale Avenue, Pinewood Avenue, Elm Grove Crossing, Overbrook Avenue, Lumber Avenue, Beech Street, National Road a/k/a Route 40, Monroe Avenue, Halstead Avenue, Waddle Avenue, Interstate 70, Woodland Acres Road, Stone Church Road, Rocks Avenue, Brynley Lane, and Mid Point Lane.

Dear Mr. Brewer:

Expand Operating, LLC ("Expand") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to Expand's right to drill under Boggs Hill Road a/k/a Edgington Lane, St. Charles Avenue, Jenna Way, Sonneborne Road, Armonk Road, Park View Road, Springdale Avenue, Pinewood Avenue, Elm Grove Crossing, Overbrook Avenue, Lumber Avenue, Beech Street, National Road a/k/a Route 40, Monroe Avenue, Halstead Avenue, Waddle Avenue, Interstate 70, Woodland Acres Road, Stone Church Road, Rocks Avenue, Brynley Lane, and Mid Point Lane. Please be advised that Expand has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Kelley Ryan
 Landman II – SW Appalachia Division
 Expand Operating LLC

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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 6H
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>529176.488</u>
County: <u>069-Ohio</u>		Northing: <u>4437611.058</u>
District: <u>Richland</u>	Public Road Access: <u>Boggs Hill Road (County Route 15/1)</u>	
Quadrangle: <u>Wheeling</u>	Generally used farm name: <u>Shannon Fields OHI</u>	
Watershed: <u>Upper Ohio South</u>		

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

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

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.

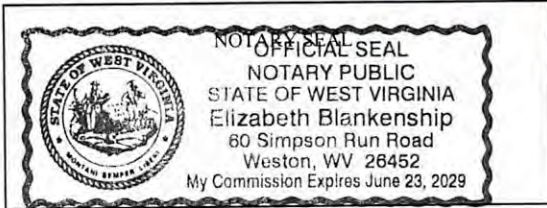
05/15/2026

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.

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 WV Department of
 Environmental Protection

05/15/2026

WW-6A
(9-13)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 6H
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: 4/9 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

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APR 09 2026
WV Department of Environmental Protection

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 6H
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.

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Office of Oil and Gas

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.

APR 09 2026

WV Department of
Environmental Protection

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (2) For a surface water intake on a flowing stream, 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 6H
Well Pad Name: Shannon Fields OHI

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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Office of Oil and Gas

APR 09 2026

WV Department of
Environmental Protection

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 6H
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.

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WV Department of
Environmental Protection

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 - _____
OPERATOR WELL NO. Shannon Fields OHI 6H
Well Pad Name: Shannon Fields OHI

Notice is hereby given by:

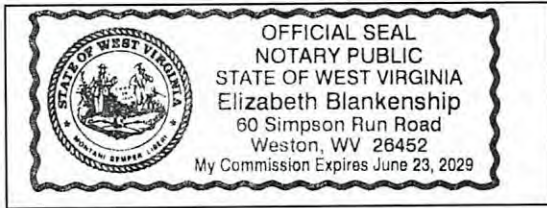
Well Operator: Expand Operating LLC
Telephone: 304-209-5688
Email: Brittany.Woody@expandenergy.com

Brittany Woody

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

Oil and Gas Privacy Notice:

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



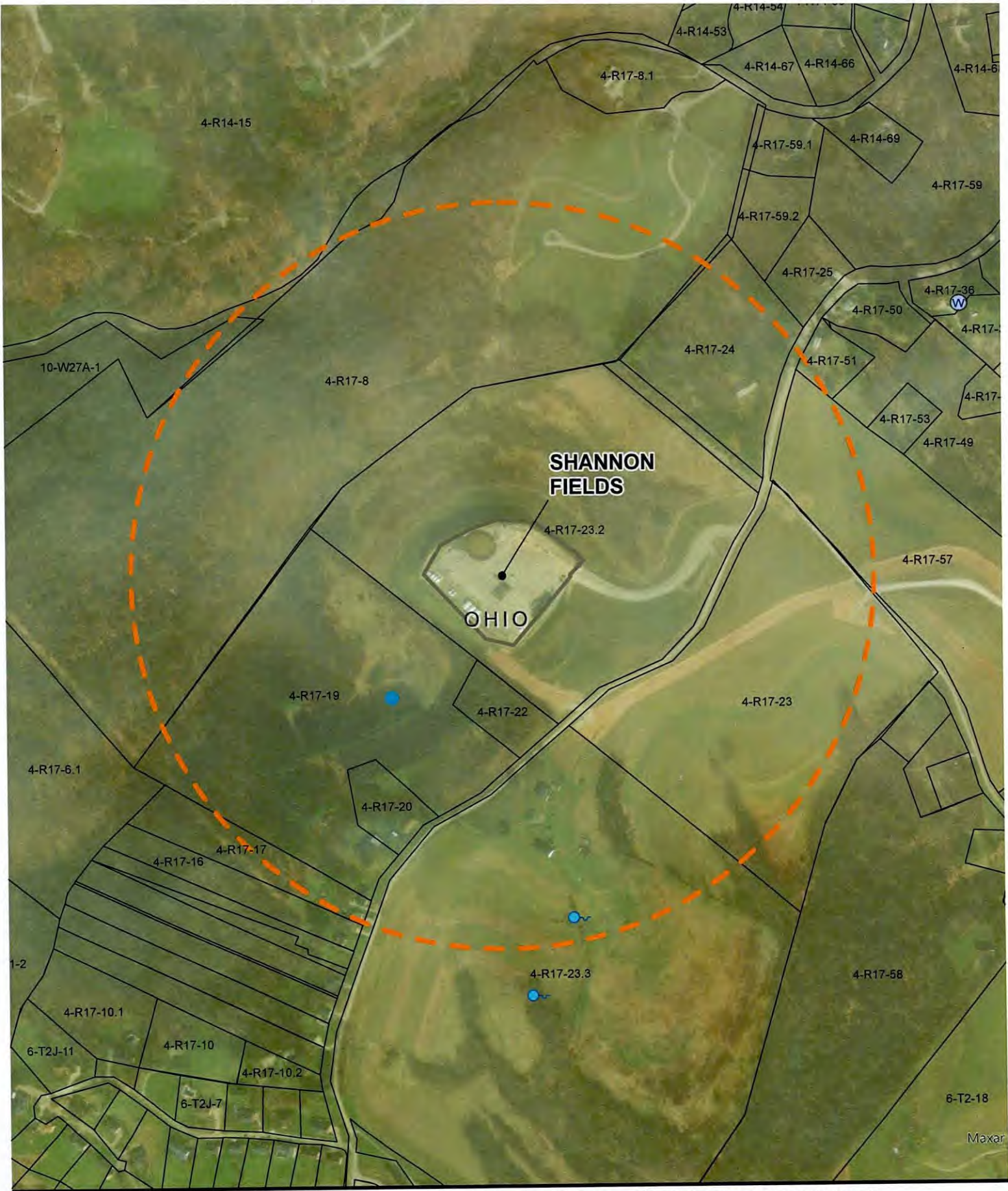
Subscribed and sworn before me this 4 day of Dec, 2025.
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

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

05/15/2026

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

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APR 09 2026
WV Department of
Environmental Protection



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 1,440 Scale: 1:6,000

05/15/2026

WW-6A3
(1/12)

Operator Well No. Shannon Fields OHI

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

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

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

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

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

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

Notice is hereby provided to:

SURFACE OWNER(s)

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

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

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

MINERAL OWNER(s)

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

*please attach additional forms if necessary

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:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>40.088496, -80.6567667</u>
County:	<u>Ohio</u>	Public Road Access:	<u>Boggs Hill Road (Country Route 15/1)</u>
District:	<u>Richland</u>	Watershed:	<u>Upper Ohio- Wheeling</u>
Quadrangle:	<u>Wheeling</u>	Generally used farm name:	<u>Shannon Field</u>

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

Notice is hereby given by:

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

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

Oil and Gas Privacy Notice:

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

05/15/2026

WW-6A4
(1/12)Operator Well No. SHANNON FIELDS OHI 6H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.
Date of Notice: 12/17/2025 **Date Permit Application Filed:** 4/8

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

HAND DELIVERY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

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

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon 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>529176.488</u>
County:	<u>OHIO</u>		Northing:	<u>4437611.058</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(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator:	<u>EXPAND APPALACHIA LLC</u>	Authorized Representative:	<u>REID CROFT</u>
Address:	<u>1300 FORT PIERPONT DRIVE, SUITE 201</u>	Address:	<u>1300 FORT PIERPONT DRIVE, SUITE 201</u>
	<u>MORGANTOWN, WV 26508</u>		<u>MORGANTOWN, WV 26508</u>
Telephone:	<u>304-231-8329</u>	Telephone:	<u>304-231-8329</u>
Email:	<u>reid.croft@expandenergy.com</u>	Email:	<u>reid.croft@expandenergy.com</u>
Facsimile:	_____	Facsimile:	_____

Oil and Gas Privacy Notice:

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

05/15/2026

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

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:** 9/18

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

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

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

Notice is hereby provided to the SURFACE OWNER(s)

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

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

Notice is hereby given:

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

State: <u>WV</u>	UTM NAD 83	Easting: <u>529176.488</u>
County: <u>OHIO</u>		Northing: <u>4437611.058</u>
District: <u>RICHLAND</u>	Public Road Access: <u>BOGGS HILL ROAD</u>	
Quadrangle: <u>WHEELING</u>	Generally used farm name: <u>SHANNON FIELDS OHI WELL PAD</u>	
Watershed: <u>UPPER OHIO SOUTH</u>		

This Notice Shall Include:

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

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

Oil and Gas Privacy Notice:

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

05/15/2026



**WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION**

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

Michael J. DeMers
Deputy Secretary of Transportation

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

August 25, 2025

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

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

Dear Mr. Martin,

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

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

Very Truly Yours,

Lacy D. Pratt
Central Office O&G Coordinator

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

Attachment VI Frac Additives

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

As of 7/5/2023

05/15/2026

WW-6A7
(6-12)

OPERATOR: Expand Operating LLC WELL NO: Shannon Fields OHI 6H

PAD NAME: Shannon Fields OHI

REVIEWED BY: _____ SIGNATURE: Brittany Woody

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

05/15/2026

SHEET INDEX

1	COVER
2	EVACUATION PLAN WITH AERIAL MAP
3	EVACUATION PLAN WITH USGS MAP
4	WELL PAD BASELINE PLAN
5	WELL PAD BASELINE PROFILES
6	ACCESS ROAD PLAN AND PROFILE
7-9	ACCESS ROAD CROSS SECTIONS
10	RECLAMATION PLAN
11-13	DETAILS

**EXPAND OPERATING, LLC
AS-BUILT PLANS FOR
SHANNON FIELDS PAD
OHIO COUNTY, WV
NOVEMBER 2025**

911 EMERGENCY ADDRESS:
SHANNON FIELDS WELL PAD
165 BOGGS HILL RD.
WHEELING, WV 26003

LOCAL EMERGENCY SERVICES	
NAME	NUMBER
AMBULANCE	911
HOSPITAL EMERGENCY ROOM	(304) 243-3000
FIRE DEPARTMENT	911
POLICE DEPARTMENT	911
POISON CONTROL CENTER	(800) 222-1222



LOCATION MAP NOT TO SCALE

LOCATION COORDINATES

ACCESS ROAD ENTRANCE:		
LATITUDE: 40.088885 N	LONGITUDE: 80.654274 W	(DECIMAL DEGREES)
LATITUDE: 40°05'19.99" N	LONGITUDE: 80°39'15.39" W	(DEGREES-MINUTES-SECONDS)
NORTHING: 580806.7990	EASTING: 1645552.3116	(WV SP-83, FEET)
NORTHING: 4437679.933	EASTING: 529472.799	(UTM ZONE 17, METERS)

WELL PAD CENTER:		
LATITUDE: 40.088496 N	LONGITUDE: 80.657667 W	(DECIMAL DEGREES)
LATITUDE: 40°05'18.59" N	LONGITUDE: 80°39'27.63" W	(DEGREES-MINUTES-SECONDS)
NORTHING: 580577.3862	EASTING: 1644601.2759	(WV SP-83, FEET)
NORTHING: 4437635.659	EASTING: 529183.728	(UTM ZONE 17, METERS)

LIMITS OF DISTURBANCE BY PROPERTY:

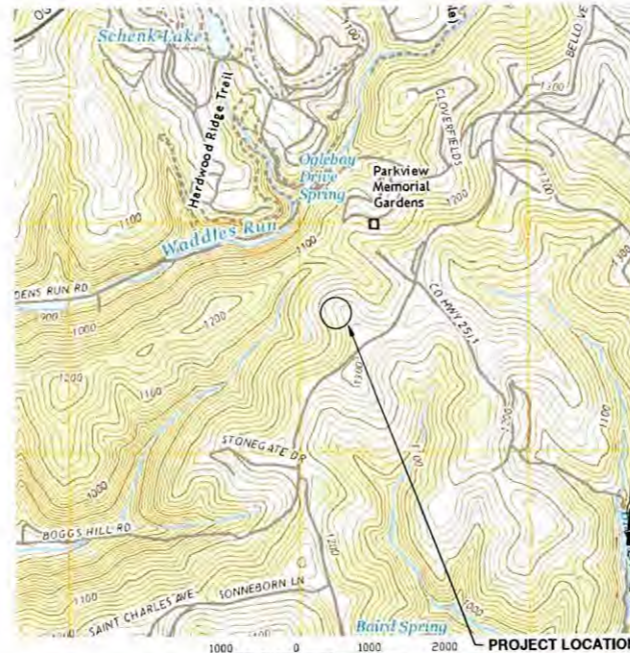
PROPERTY#	PROPERTY OWNER	ACRES DISTURBED
35-04-0R17-0023-0002	SWN PRODUCTION COMPANY, LLC	20.94

TOTAL DISTURBED AREA: 20.94 ACRES

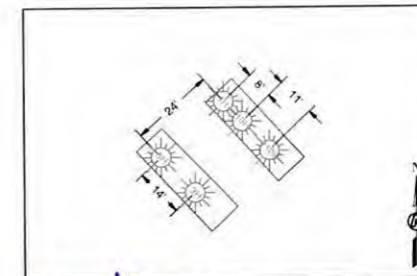
ROAD DISTURBED AREA:	3.94 ACRES
PAD DISTURBED AREA:	17.00 ACRES

EARTH WORK SUMMARY

TOTAL CUT:	117,200 CY
TOTAL FILL:	86,900 CY
EXPORT: (CARBONACEOUS MATERIAL)	5,500 CY
WASTE:	10,000 CY
TOPSOIL: ASSUMED 9" (AVG. DEPTH)	14,800 CY



WHEELING QUADRANGLE REFERENCE MAP



WELL HEAD LAYOUT
NOT TO SCALE

DRIVING DIRECTIONS

- 1) HEAD NORTH ON FORT PIERPONT DR
- 2) TURN RIGHT ONTO N PIERPONT RD, 482 FEET
- 3) TURN RIGHT ONTO CHEAT RD, 0.8 MILES
- 4) TURN LEFT TO MERGE ONTO I-68 W TOWARD I-79, 0.5 MILES
- 5) MERGE ONTO I-68 W, 6.1 MILES
- 6) TAKE THE EXIT ONTO I-79 N TOWARD WASHINGTON, 45.3 MILES
- 7) TAKE THE EXIT ONTO I-79 W/I-79 N TOWARD WASHINGTON, 30.1 MILES
- 8) TAKE EXIT 5 FOR US-40 TOWARD VA-88 SELM GROVE/TRIADAPHA, 0.3 MILES
- 9) KEEP RIGHT, MERGE ONTO US-40 NATIONAL ROAD, 171 FT
- 10) MERGE ONTO US-40 NATIONAL ROAD, 0.6 MILES
- 11) TURN LEFT ONTO PETERS RUN ROAD, 3.0 MILES
- 12) TURN LEFT ONTO WARDEN RUN ROAD, 1.1 MILES
- 13) TURN LEFT ONTO BOGGS HILL ROAD, CONTINUE TO SITE ON RIGHT, 0.7 MILES

PROJECT COORDINATOR:
JOHN DUBOWSKI, P.E.
CONSTRUCTION SUPERINTENDENT
EXPAND OPERATING, LLC
1300 FORT PIERPONT DRIVE, SUITE 201,
MORGANTOWN, WV 26508
PHONE: (304) 884-1671
EMAIL: JOHN.DUBOWSKI@EXPANDENERGY.COM

ENGINEER:
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ASCENT CONSULTING & ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
PHONE: (304) 933-3463
EMAIL: MNESTOR@ASCENTWV.COM

PROJECT MANAGER:
ERIC SHORT
ASCENT CONSULTING & ENGINEERING
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
PHONE: (304) 933-3463
EMAIL: ESHORT@ASCENTWV.COM

ENVIRONMENTAL:
WETLANDS OR SURFACE WATER
INFORMATION WAS DELINEATED BY
ENVIROSCIENCE, INC.
DATED MARCH 2021

TOPOGRAPHIC INFORMATION:
HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE
NAD83 WEST VIRGINIA STATE PLANES, NORTH
ZONE, IN U.S. SURVEY FEET.



SEAL:



PREPARED BY:



1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
WWW.ASCENTWV.COM
(304) 933-3463

PROJECT NUMBER:	2326	DRAWN:	EMS
DATE:	11/26/2025	DESIGN:	EMS
SCALE:	AS SHOWN	CHECKED:	MRN

AS-BUILT PLANS FOR
EXPAND OPERATING, LLC
SHANNON FIELDS WELL PAD
RICHLAND DISTRICT
OHIO COUNTY, WV

TITLE:	COVER SHEET
PLAN STATUS:	SHEET No. 1



MISS UTILITY OF WEST VIRGINIA
1-800-245-4848
WEST VIRGINIA STATE LAW
(SECTION XIV, CHAPTER 24-C)
REQUIRES THAT YOU CALL TWO
BUSINESS DAYS BEFORE YOU DIG IN
THE STATE OF WEST VIRGINIA.
IT'S THE LAW!!!

*Eric Short
STRAPER 601014
2/17/2024*