



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 201H
47-069-00382-00-00

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

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

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

A handwritten signature in black ink, appearing to read 'Jason Harmon', is positioned above the name and title of the signatory.

H. Jason Harmon
Acting Chief

Operator's Well Number: Shannon Fields OHI 201H
Farm Name: Expand Appalachia LLC
U.S. WELL NUMBER: 47-069-00382-00-00
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 201H
Well Pad Name: Shannon Fields OHI

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

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

2) Operator's Well Number: Shannon Fields OHI 201H Well Pad Name: Shannon Fields OHI

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

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

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 6011', Target Base TVD- 6070', Anticipated Thickness- 59', Associated Pressure- 4896

8) Proposed Total Vertical Depth: 6020'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 30,312'

11) Proposed Horizontal Leg Length: 21,907'

12) Approximate Fresh Water Strata Depths: 351'

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

14) Approximate Saltwater Depths: 601' salinity profile

15) Approximate Coal Seam Depths: 503'

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

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

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

John Gower
STRAPER GOWER
2/12/2024

WW-6B
(04/15)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 201H
Well Pad Name: Shannon Fields OHI

18) **CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
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#	30,312'	30,312'	Tail 5759sx/ 100' Inside Intermediate
Tubing							
Liners							

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

PACKERS

Kind:				
Sizes:				
Depths Set:				

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Strader Gower
STRADER GOWER
2/17/2026

WW-6B
(10/14)

API NO. 47- 069 -

OPERATOR WELL NO. Shannon Fields OHI 201H

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:

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See Attachment ***

OH Department of
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25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

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

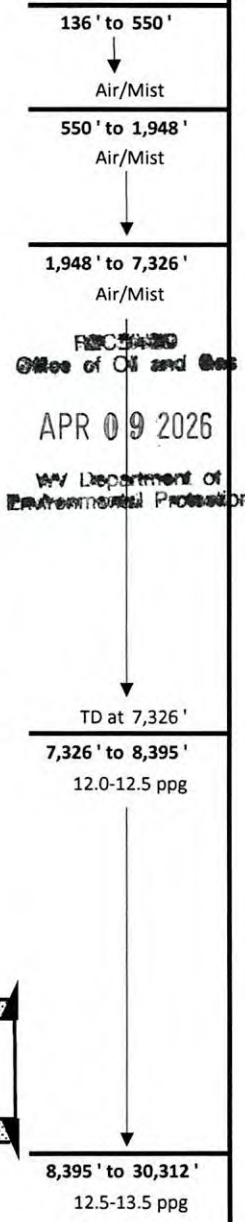
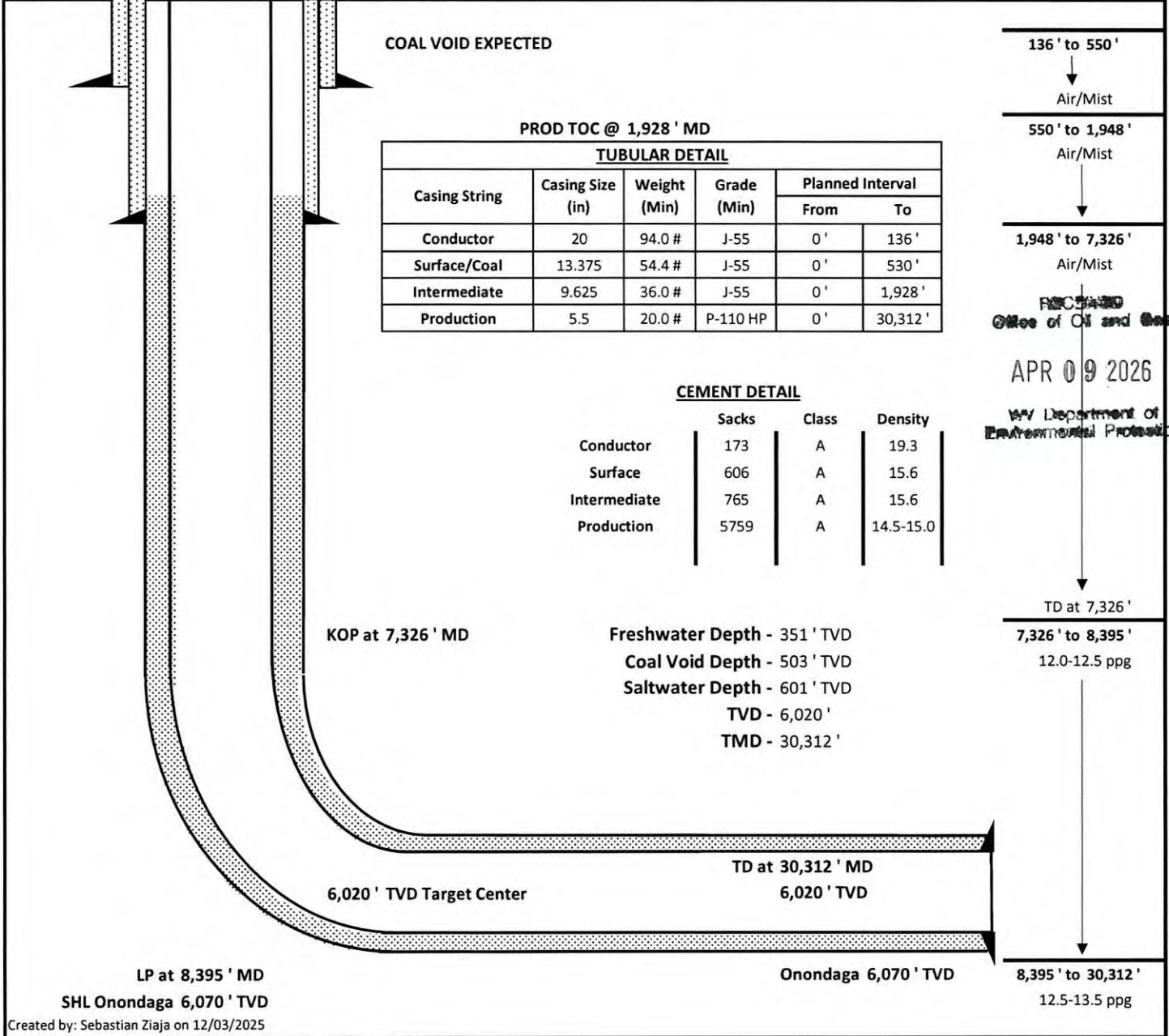
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05/15/2026

Expand Energy			Proposed Drilling Program	
Well:	SHANNON FIELDS OHI 201H		Drilling Rig:	EDC 501
Field:	PANHANDLE FIELD WET		Formation:	Marcellus Shale
County:	Ohio		State:	WV
SHL (NAD83):	40.088247 Latitude	-80.657719 Longitude		
BHL (NAD83):	40.138410 Latitude	-80.708953 Longitude		
KB Elev:	1,262 ft MSL	KB Height: 26 ft AGL	GL Elev:	1,236 ft MSL



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 Office of Oil and Gas
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 WV Department of Environmental Protection

Steve Connor
 STRADER GOWER
 2/17/2026

05/15/2026



Brittany Woody
Staff Regulatory Specialist

December 3, 2025

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

RE: Proposed New Well: Shannon Fields OHI 201H

Dear Mr. Brewer

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

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

Thank you.

Best regards,

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

Brittany Woody
Senior Regulatory Analyst
Expand Energy

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Expand Energy Corporation

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

05/15/2026

WW-9
(4/16)

API Number 47 - 069 - _____
Operator's Well No. Shannon Fields OHI 201H

**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

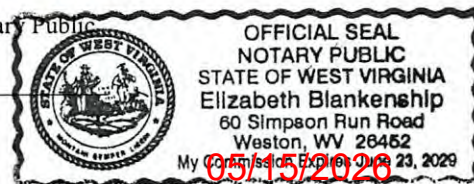
Company Official Title Senior Regulatory Analyst

Subscribed and sworn before me this 4 day of December, 20 25

Elizabeth Blankenship

Notary Public

My commission expires 6/23/2029



Form WW-9

Operator's Well No. Shannon Fields OHI 201H

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: STRADEK LOWEK

Comments: _____

Title: Oil & Gas Inspector Date: 2/17/2024

Field Reviewed? () Yes () No

Attachment 3A

CLOSED LOOP SYSTEM

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

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

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

AIR DRILLING INTERVALS

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

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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

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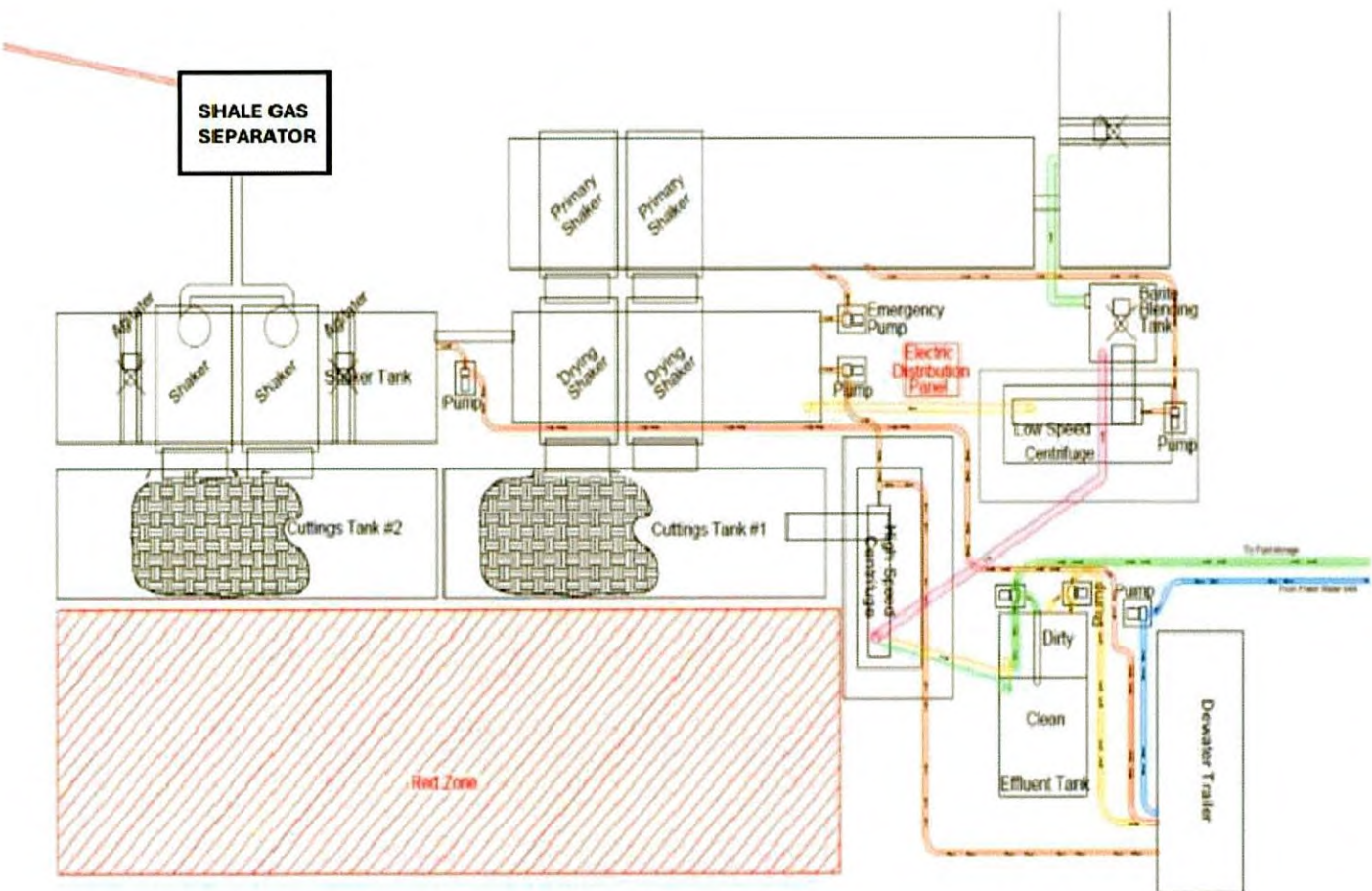
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05/15/2026

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Solids Control Layout



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

		<h2 style="margin: 0;">WVD Seeding Specification</h2>	
To Order Seed contact John Dubowski office 304-209-5741 cell 346-773-6078 john.dubowski@expandenergy.com (please allow 7 to 10 days for delivery)			
NON-ORGANIC PROPERTIES		ORGANIC PROPERTIES	
Seed Mixture: ROW Mix	SWN Supplied	Seed Mixture: Expand Production Organic Mix	Expand Supplied
Orchardgrass	40%	Organic Timothy	50%
Timothy	15%	Organic Red or White Clover	50%
Annual Ryegrass	15%	OR	
Brown Top Millet	5%	Organic Perennial Ryegrass	50%
Red Top	5%	Organic Red or White Clover	50%
Medium Red Clover	5%	Apply @ 100lbs per acre April 16th- Oct. 14th	Apply @ 200lbs per acre Oct. 15th- April 15th
White Clover	5%	Organic Fertilizer @ 200lbs per Acre	Pelletized Lime @ 2 Tons per Acre
Birdsfoot Trefoil	5%		
Rough Bluegrass	5%		
	All legumes are innoculated at 5x normal rate		
	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		WETLANDS (delineated as jurisdictional wetlands)	
10-20-20 Fertilizer	*Apply @ 500lbs per Acre	Seed Mixture: Wetland Mix	Expand Supplied
Pelletized Lime	Apply @ 2 Tons per Acre	VA Wild Ryegrass	20%
	*unless otherwise dictated by soil test results	Annual Ryegrass	20%
Seeding Calculation Information:		Fowl Bluegrass	20%
1452' of 30' ROW/LOD is One Acre		Cosmos 'Sensation'	10%
871' of 50' ROW/LOD is One Acre		Redtop	5%
622' of 70' ROW/LOD is One Acre		Golden Tickseed	5%
Synopsis:		Maryland Senna	5%
Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).		Showy Tickseed	5%
Special Considerations:		Fox Sedge	2.5%
Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with Expand supervision at the beginning of the project to allow time for special seed delivery.		Soft Rush	2.5%
		Woolgrass	2.5%
		Swamp Verbena	2.5%
		Apply @ 25lbs per acre April 16th- Oct. 14th	Apply @ 50lbs per acre Oct. 15th- April 15th
		NO FERTILIZER OR LIME INSIDE WETLAND LIMITS	

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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

API NO. 47-XXX-XXXXX
WELL NAME: Shannon Fields OHI 201H
Wheeling QUAD
Richland DISTRICT
OHIO COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Date: 12/3/2025

Brittany Woody

Title: Senior Regulatory Analyst

Expand Energy

Approved by:

Name: STRADER GOWER

Date: 2/17/2026

Title: Oil & Gas Inspector

Approved by:

Name: _____

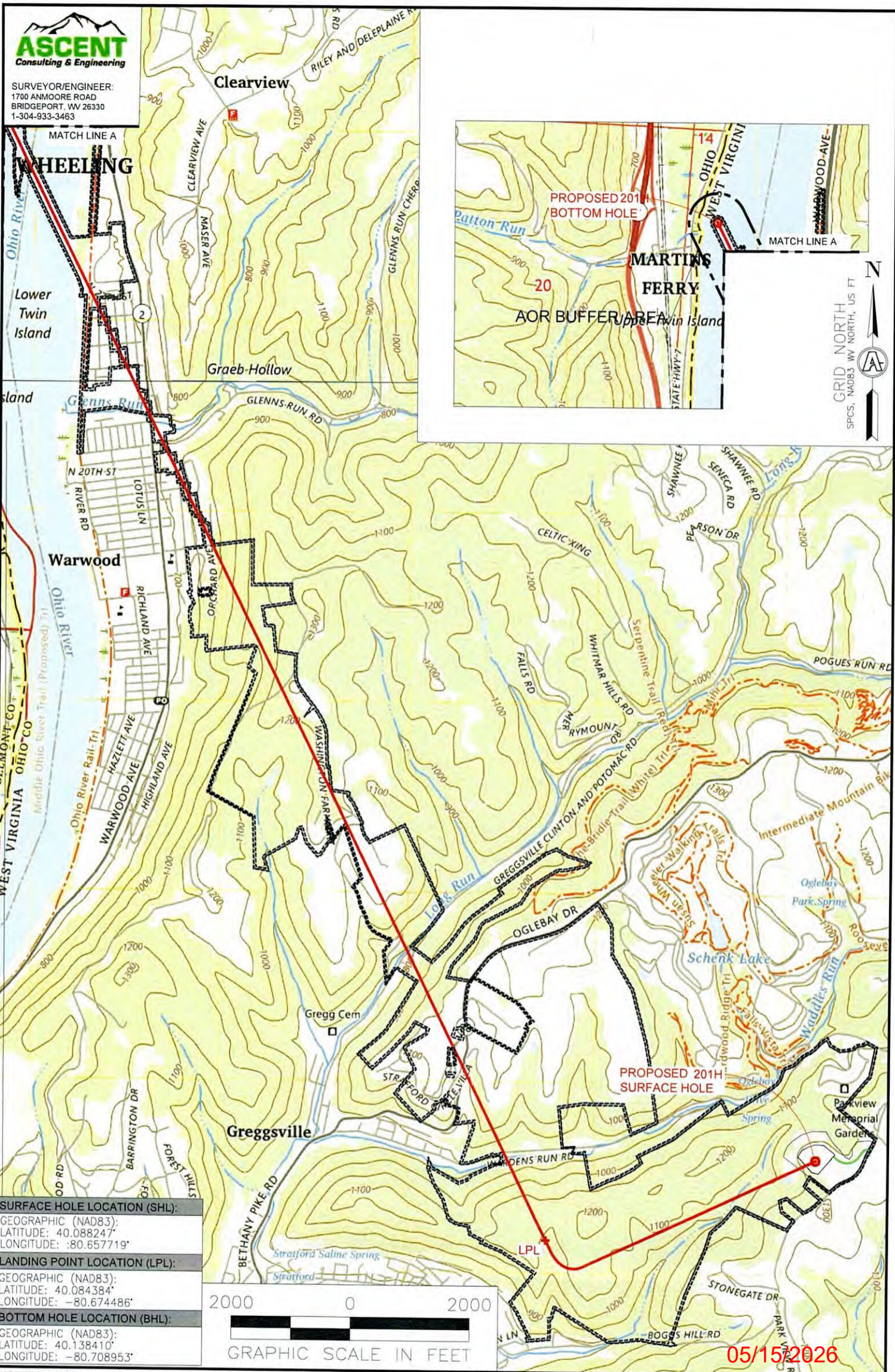
Date: _____

Title: _____

Expand Energy – CONFIDENTIAL

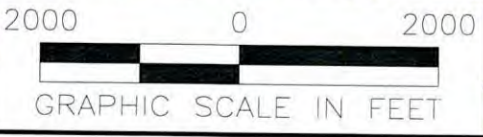


SURVEYOR/ENGINEER:
1700 ANMOORE ROAD
BRIDGEPORT, WV 26330
1-304-933-3463



GRID NORTH
SPCS, NAD83 WV NORTH, US FT

SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.088247° LONGITUDE: -80.657719°
LANDING POINT LOCATION (LPL):
GEOGRAPHIC (NAD83): LATITUDE: 40.084384° LONGITUDE: -80.674486°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.138410° LONGITUDE: -80.708953°



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

LEGEND:

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

WELL OPERATOR: EXPAND OPERATING, LLC	WELL (FARM) NAME: SHANNON FIELDS OHI	WELL # 201H	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 9,152'

LATITUDE :40°10'00" BOTTOM HOLE 173'



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

SURFACE HOLE LOCATION (SHL):

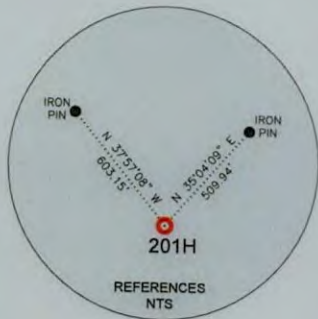
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,607.961
EASTING: 529,179.423

LANDING POINT LOCATION (LPL):

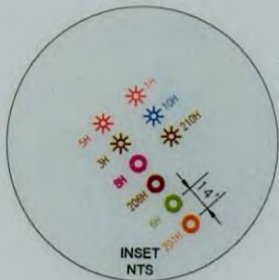
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,173.889
EASTING: 527,751.588

BOTTOM HOLE LOCATION (BHL):

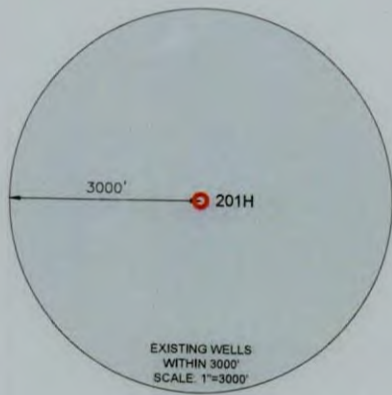
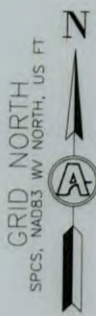
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,443,160.173
EASTING: 524,793.498



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 72°55'47" W	792.44'	SHL TO LANDMARK	STONE FOUND
L2	N 24°25'55" E	999.11'	SHL TO LANDMARK	CONCRETE MONUMENT



LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 73°05'25" W	4,896.18'	5,354.32'	SHL TO LPL
L4	N 26°17'46" W	21,907.00'	2,1907.00'	LPL TO AZL2



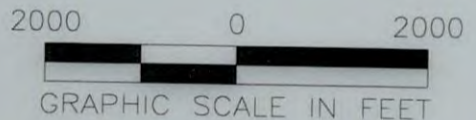
WELL RESTRICTIONS

- 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 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 #: 201H
API WELL #: 47 STATE 69 COUNTY DD382 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,235.89

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

SURFACE OWNER: EXPAND APPALACHIA LLC ACREAGE: ±35.07

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

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,020' TVD 30,312' TMD

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

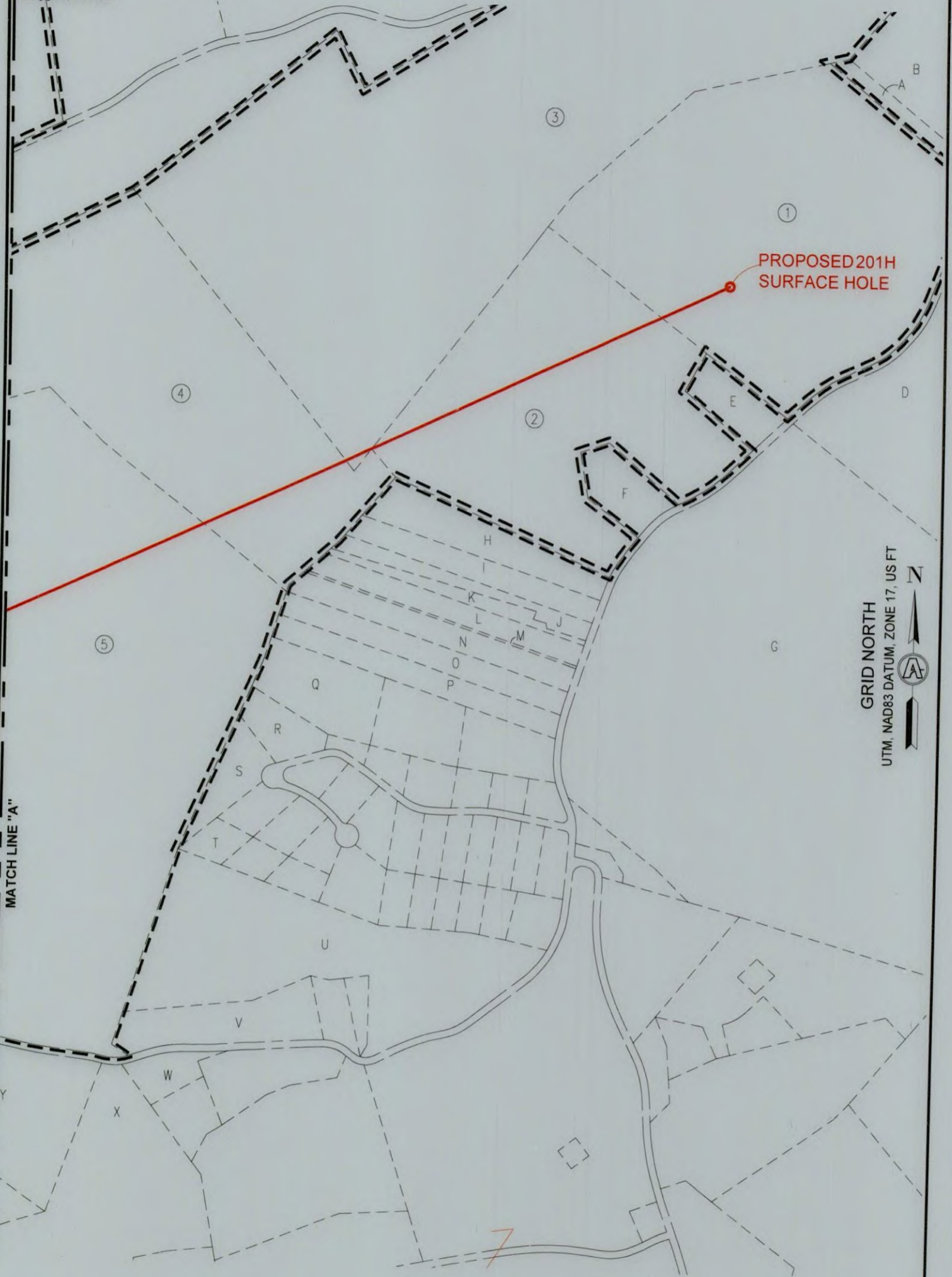
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

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

LEGEND:	REVISIONS:	DATE:
● PROPOSED SURFACE HOLE / BOTTOM HOLE		12-16-2025
☀ EXISTING / PRODUCING WELLHEAD		FILE NO:
Ⓜ EXISTING WATER WELL		DRAWN BY: TMF
Ⓢ EXISTING SPRING		SCALE: 1" = 2000'
— SURVEYED BOUNDARY		DRAWING NO: 2326
— DRILLING UNIT		WELL LOCATION PLAT 1
— LEASE BOUNDARY		
— 500' OFFSET LINE		
— PROPOSED PATH		



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



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

INSET "A"
 SCALE: 1"=500'

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI
 201H

DATE: 12-16-2025

WELL #:

DRAWN BY: TMF

DISTRICT:
 RICHLAND

COUNTY:
 OHIO

STATE:
 WV

SCALE: N/A

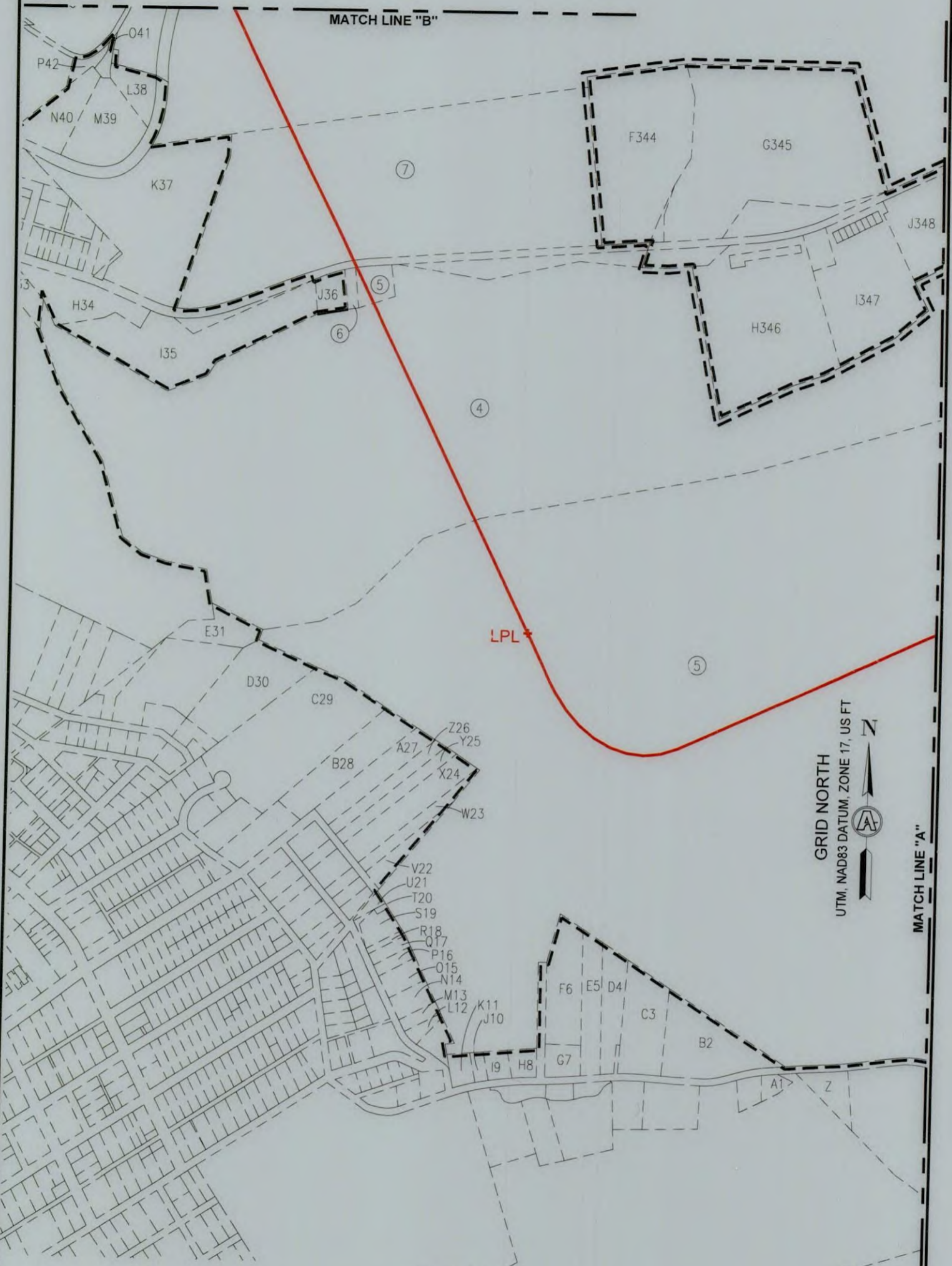
DRAWING NO: 2326

WELL LOCATION PLAT



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

MATCH LINE "B"



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

MATCH LINE "A"

INSET "B"
 SCALE: 1"=500'

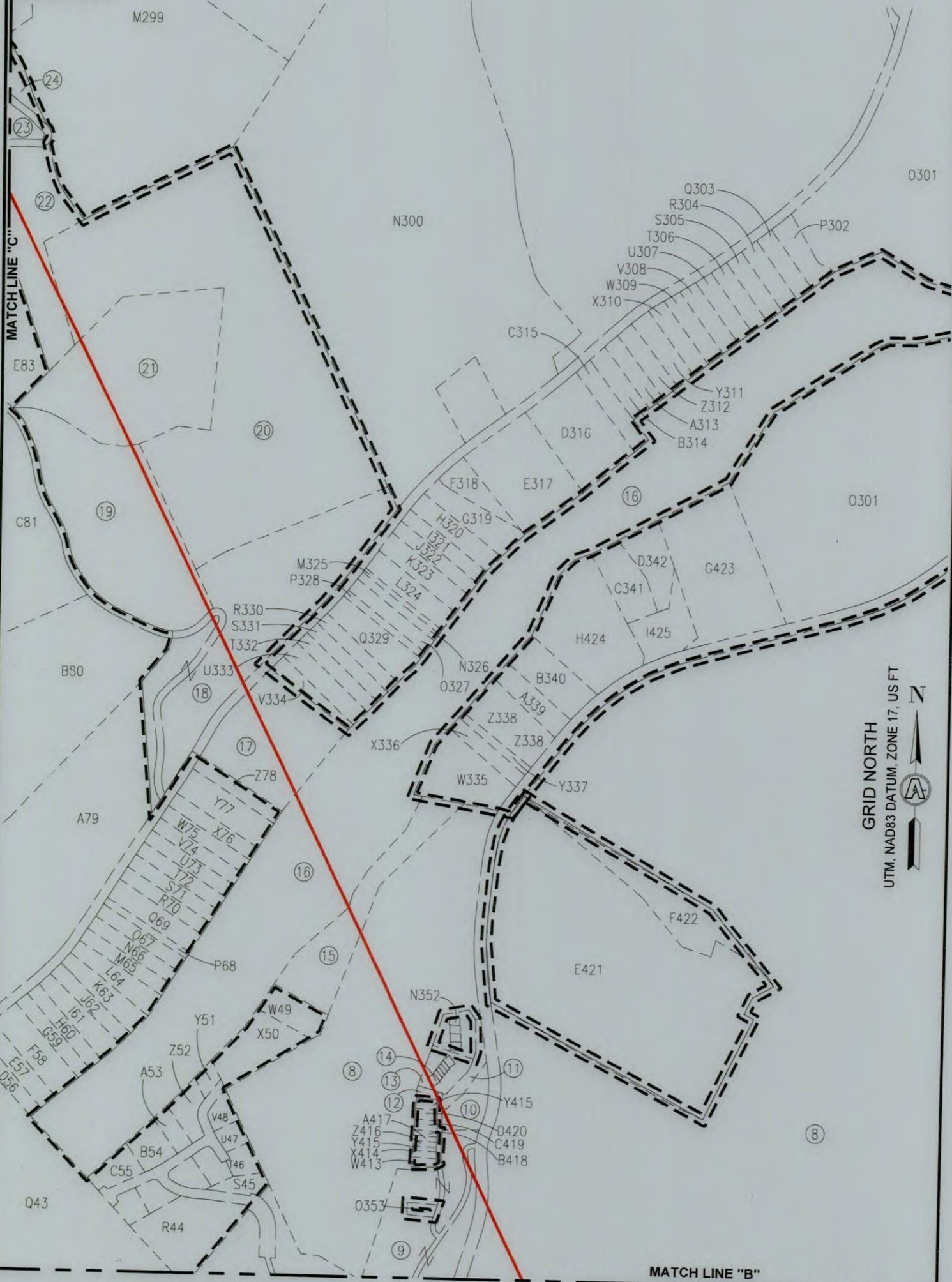
05/15/2026

REVISIONS:

COMPANY:			
OPERATOR'S			
WELL #:		201H	
DISTRICT:	COUNTY:	STATE:	DATE:
RICHLAND	OHIO	WV	12-16-2025
DRAWN BY: TMF		SCALE: N/A	
DRAWING NO: 2326		WELL LOCATION PLAT	



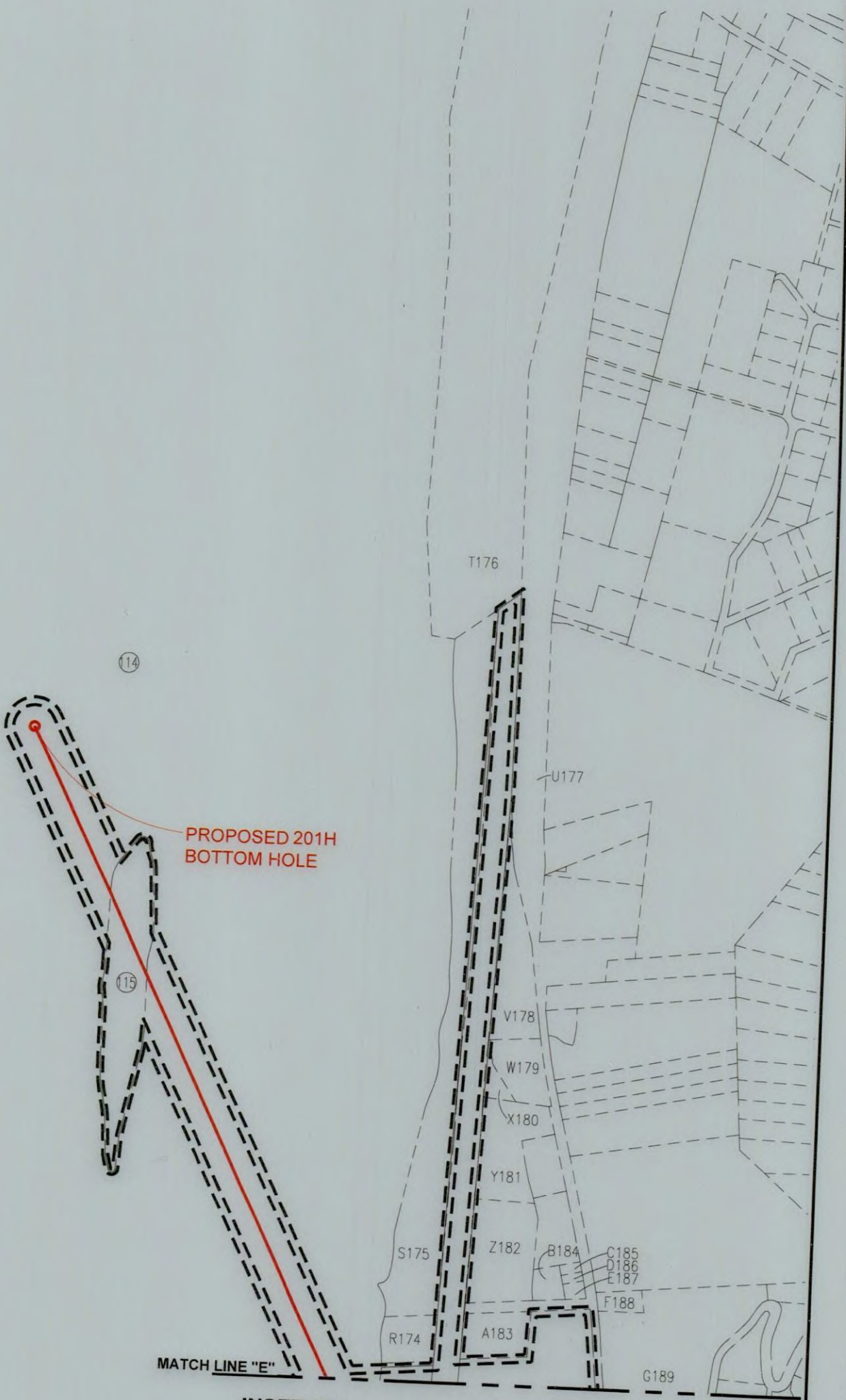
SURVEYOR/ENGINEER: 1-304-933-3463
 1700 ANMOORE RD,
 BRIDGEPORT, WV 26330





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

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



INSET "F"
SCALE: 1"=500'

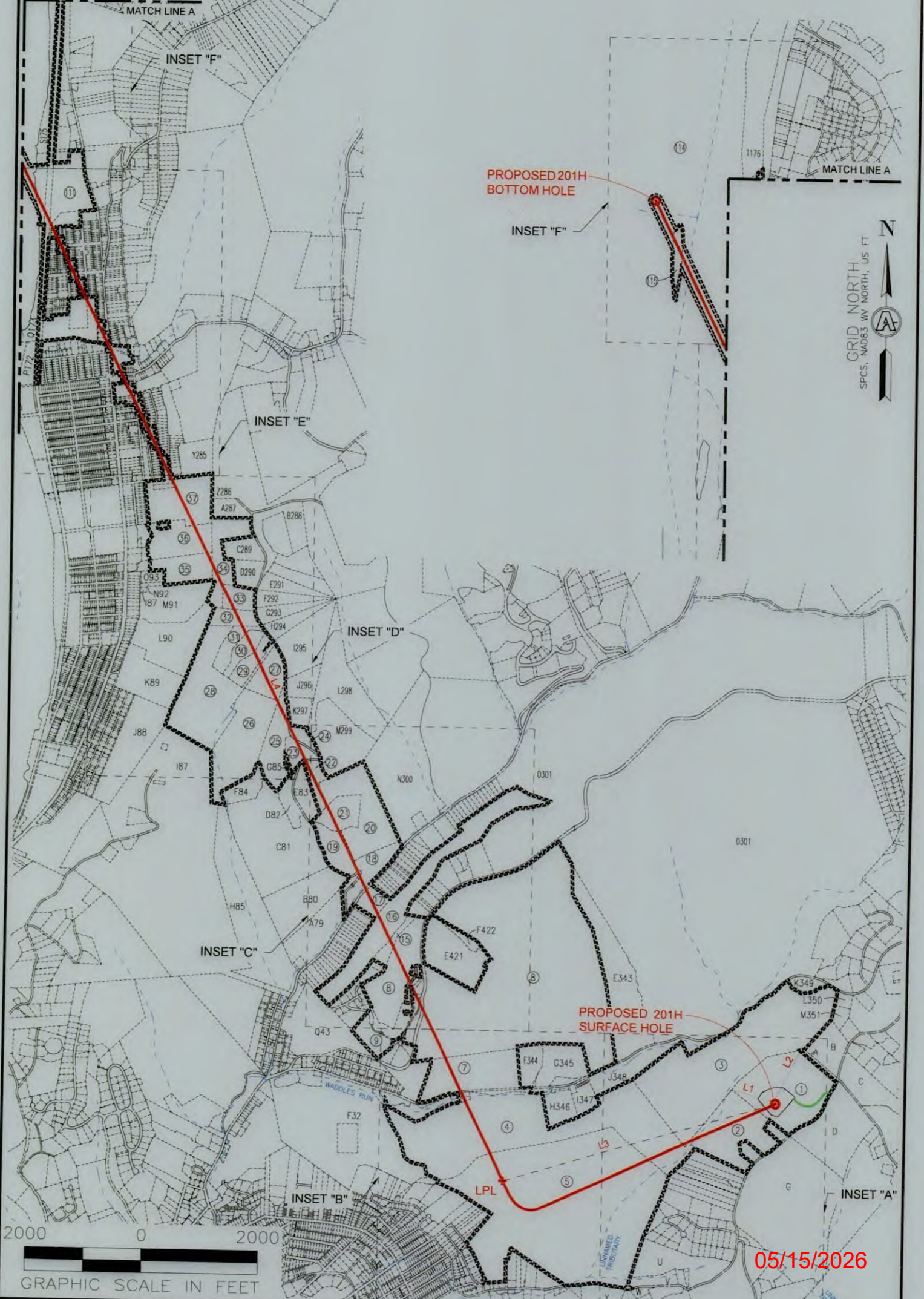
05/15/2026

REVISIONS:

COMPANY:			
OPERATOR'S			
WELL #:			DATE: 12-16-2025
DISTRICT:			DRAWN BY: TMF
RICHLAND			SCALE: N/A
COUNTY:	OHIO	STATE:	DRAWING NO: 2326
		WV	WELL LOCATION PLAT



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



05/15/2026

REVISIONS:		COMPANY:			
OPERATOR'S		SHANNON FIELDS OHI		DATE: 12-16-2025	
WELL #:		201H		DRAWN BY: TMF	
DISTRICT:		COUNTY:		SCALE: N/A	
RICHLAND		OHIO		DRAWING NO: 2326	
		STATE:		WELL LOCATION PLAT	
		WV			



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

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
B314	CLARK MARY LADONNA	4-R14J-13
C315	CLARK MARY LADONNA	4-R14J-14
D316	THURSTON BONNIE L	4-R14J-16
E317	THURSTON BONNIE BOWMAN	4-R13M-1.3
F318	WEST RENTALS INC	4-R13M-1.2
G319	WEST RENTALS INC	4-R13M-1.1
H320	WEST RENTALS INC	4-R13M-1
I321	MICKER DEBORAH A	4-R13M-2
J322	ARCHER BYRON F JR & M L	4-R13M-3
K323	VOLUSIA VENTURES	4-R13M-4
L324	FLICK-MOOSS SUZANNE M MOOSS CHRISTOPHER J	4-R13M-6
M325	FLICK-MOOSS SUZANNE M & MOOSS CHRISTOPHER J	4-R13M-7.1
N326	OLEKSIK CASSIE M & DANIEL J	4-R13M-7
O327	OLEKSIK CASSIE M & DANIEL J	4-R13M-8
P328	OLEKSIK CASSIE M & DANIEL J	4-R13M-8-1
Q329	RITNER ROBERT L & TRACI L	4-R13M-10
R330	COLUMBIA GAS TRANSMISSION CORP	4-R13M-11
S331	HARTMANN SHARON J	4-R13M-12.1
T332	HARTMANN SHARON J	4-R13M-12
U333	HOLT NED S & CHRISTINE L	4-R13M-13
V334	BICKERSTAFF ROBERT DALE JR	4-R13M-14
W335	WRIGHT DEBORAH D & JOHN E IV	4-R14-8
X336	TOWNSEND TAMMY J	4-R14-9.3
Y337	MOREHOUSE SHAWN R	4-R14-9.2
Z338	WEST RENTALS INC	4-R14-9
A339	ATKINSON RYAN J & ANN SHANLEY ATKINSON	4-R14-9.1
B340	STUBBY TAIL DOG REALTY LLC	4-R14-10
C341	WALTER DEBORAH & GERALD	4-R14-11.1
D342	GREER PETER S	4-R14-11.2
E343	WHEELING PARK COMMISSION	4-R14-14.1
F344	COMMUNITY IMPACT LAND HOLDING INC	10-W27-1.1
G345	KEY ANIMAL HOSPITAL INC	10-W27-2
H346	FOREST BROOK CONDOS	10-W27-3
I347	UNKNOWN	10-W27-6
J348	GACS LP	10-W27A-1
K349	BURGE EDWARD LEE JR	4-R17-8.1
L350	KNOX TARA MICHELLE & TORY JAY	4-R17-59.1
M351	EDDY MARTHA M	4-R17-59.2
N352	LINDSAY MARK E & JULIE K	4-R16-1.26
O353	POPPENS TIMOTHY A; SLABAUGH DIANA H; MCPHAIL SHARI; WILLIAMS CURTIS A III	4-R13-27
P354	ELLIS WILLIAM H & ROSEMARY	10-W5-34
Q355	ELLIS WILLIAM H & ROSEMARY	10-W5-33
R356	NOLAN PATRICK & YOUNG JOHN P	10-W5-35
S357	YOUNG REGINA A	10-W5-36
T358	YOUNG REGINA A	10-W5-37
U359	ALIG PAUL V SR - TOD	10-W5-38
V360	ALIG JOSEPH E	10-W5-39
W361	SORGE BRIAN P & LISA A	10-W5-20
X362	PANAS SCOTT A & LORI A	10-W5-18
Y363	KELLER DOUGLAS E & LYNNE REVOCABLE LIVING TRUST	10-W6-11
Z364	HAUGHT BEVERLY A & KEITH E JR	10-W6-10
A365	NARDONE MARY (LE);NARDONE JOHN NARDONE SUSAN; NARDONE MARY C	10-W6-9
B366	DESANTIS ANTHONY TODD & NANCY LYNNE SCENNA	10-W6-8

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
C367	SMITH JAMES	10-W6-7
D368	WENDEL KATHY	10-W6-6
E369	JOSEPH ROBERT W & BRENDA A	10-W6-5
F370	RAHI ASSAD (LIFE ESTATE); PEKLINSKY SCOTT & ALICIA	10-W6-4
G371	CHIPLINSKI JUDY LYNN	10-W5-13
H372	BERNOSKY SANDRA L & JACLYN R PASS	10-W5-12
I373	MORRIS JAMES ALBERT JR C/O WESBANCO BANK INC	10-W3-32
J374	THOMAS JOSEPH W & JO ANN C	10-W3-33
K375	MCCORMICK CHARLES R & M S	10-W3-34
L376	PUGLISI CHARLES P & M M	10-W3-35
M377	GUTHRIE KINSEY & CHRISTOPHER	10-W3-36
N378	PANEPUCCI JASON & MICHELLE L	10-W3-37
O379	DUFFY MARY ANN	10-W3-38.1
P380	DARNLEY ROBERT & DARNLEY LINDA K	10-W3-38
Q381	BARBE JAMES C & JUDITH	10-W3-39
R382	PETERMAN JOHN E & DELORES	10-W3-40
S383	RCC PROPERTIES LLC	10-W3-13.1
T384	BECKETT BRIAN R & S L	10-W3-14
U385	WOLODKIN SHIRLEY A (OCC); WEISBURD RAE A; BECKETT SHARI	10-W3-16
V386	BRINGHAM RENTALS LLC	10-W3-17
W387	OBERMAN PAULA V	10-W3-18
X388	REINEKE INC	10-W3-19
Y389	KLEEH DANIEL E & S L	10-W3-20
Z390	MILBERT ANGELLA S	10-W3-21
A391	ROWE JAMES W & SALLY	10-W3-22
B392	BLAKELY JOYCE H	10-W3-23
C393	SANDERSON PHILLIP M & AMANDA S	10-W3-24
D394	TSUHLARES LAMBROS	10-W3-25
E395	MOSICA JOLANTA L	10-W3-26
F396	GODDARD DONALD E ET AL	10-W3-27.1
G397	GODDARD DONALD E ET AL	10-W3-27
H398	COX GERALD R JR & J A	10-W5-1
I399	ROHRIG JOSEPH R	10-W5-2
J400	ROHRIG JOSEPH R & CATHERINE A	10-W5-3
K401	ROHRIG JOSEPH R	10-W5-4
L402	ROHRIG JOSEPH R	10-W5-5
M403	ROHRIG JOSEPH R	10-W5-6
N404	CUPP KATHLEEN A	10-W5-7
O405	ROSE EARLENE JOY- TOD	10-W5-8
P406	FARLEY ROBERT E JR	10-W5-10
Q407	ROSE ROBIN L	10-W5-27
R408	LONG JACK E	10-W5-28
S409	NORTHERN PANHANDLE BEHAVIORAL HEALTH CENTER INC	10-W5-29
T410	EBERT HARRY A & CONNIE L (EST)	10-W5-31
U411	CROOK KATIE N	10-W5-32
V412	ELLIS WILLIAM H & ROSEMARY	10-W5-33
W413	BLUE SPRUCE PROPERTIES LLC	4-R16-2.C001
X414	MCGAUGHY THOMAS B & JANE D	4-R16-2.C002
Y415	DUNN GERALD W & LOUISE M	4-R16-2.C003
Z416	BOYD ROBERT BARRY & BOYD CONNER D	4-R16-2.C004
A417	SHRIVER DAVID B	4-R16-2.C005
B418	REN REALTY LLC	4-R16-2.C006
C419	GIUSTINI ANTHONY L & VIELLE ANNE-LAURE	4-R16-2.2
D420	GHIGO PAOLO	4-R16-2.1
E421	ELM HILL LLC	4-R14-7
F422	ELM HILL LLC	4-R14-14.2
G423	SCHULTZ JEFFREY S	4-R14-13
H424	WALTER DEBORAH & GERALD	4-R14-11
I425	GREER PETER S	4-R14-12

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

05/15/2026

REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI
201H

DATE: 12-16-2025

WELL #:

DISTRICT:
RICHLAND

COUNTY:
OHIO

STATE:
WV

DRAWN BY: TMF
SCALE: N/A
DRAWING NO: 2326
WELL LOCATION PLAT



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

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
B210	SWERENS JUDITH A (LE); ET AL	10-W3-68
C211	AUTEN CHRISTY R	10-W3-69
D212	BLAIR MARY A & BRADLEY K	10-W3-70
E213	SCHMITT MICHAEL P	10-W3-83
F214	ERNEST JESSICA	10-W3-82
G215	BARRY DAVID A	10-W3-81
H216	NICKERSON JENNIFER B NICKERSON BRANDON S	10-W3-80
I217	ADAMS SAMUEL P	10-W3-79
J218	WEST HARLEY E & M R	10-W3-78
K219	MORRIALE RICHARD B & J L	10-W6-12
L220	LOMBARD BERNARD J III	10-W6-44
M221	BUTLER KAMIKA NICOLE 1/2 INT & JOSHUA NATHAN BUTLER 1/2 INT	10-W6-45
N222	MEA PROPERTIES LLC	10-W6-46
O223	HIGGINS JACK NEIDERT CHRISTAL M	10-W6-47
P224	VANI MICHAEL R & BROOKE D	10-W6-48
Q225	KEREKES ALEXANDRA DIANA	10-W6-49
R226	HINKLE ALBERT A & J A	10-W6-50
S227	KELLAWAY BRIAN JOSEPH	10-W6-51
T228	GREGORY JOHN S JR	10-W6-52
U229	KELLER JEFFREY EDWARD	10-W6-53
V230	FISCHER GAIL M	10-W6-54
W231	LOMBARD BERNARD J III	10-W6-55
X232	CRISWELL PEGGY LEE	10-W6-105
Y233	TRCP PROPERTIES LLC	10-W6-104
Z234	MAXWELL VIRGINIA M	10-W6-103
A235	MCKEE DAWN M	10-W6-102
B236	ZEGARSKY BLAKE & CHELSEY RAE KUTHY	10-W6-101
C237	DANEHART JOANN	10-W6-100
D238	HARLESS TROY D & SANDRA L	10-W6-99
E239	SCHULTZE GERHARD A	10-W6-111
F240	NORTH FORK LANDFILL INC	10-W6-112
G241	NASH GARY A	4-R10L-1
H242	NASH GARY A & KAREN L	4-R10L-2
I243	CUPP JOSEPH & AMY	4-R10L-4.2
J244	SCOTT MELISSA M	10-W6-98
K245	RCC PROPERTIES LLC	10-W6-97
L246	HERCULES SHERRY L	10-W6-96
M247	TREIBER JOHN J	10-W6-95
N248	HERCULES CARMELINDA S	10-W6-94.2
O249	HERCULES CARMELINDA S	10-W6-94.3
P250	HERCULES CARMELINDA S	10-W6-94
Q251	NEWREZ LLC DBA SHELLPOINT MORTGAGE SERVICING	10-W6-148
R252	SCHAEFER SCOTT R & TINA M	10-W6-147
S253	SCHAEFER SCOTT R & TINA M	10-W6-149
T254	R&W HOLDINGS LLC	10-W6-155
U255	DURKIN PATRICK J & B V	10-W6-153

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
V256	LOUGH MARY	4-R10L-33
W257	DEPRIEST SCOTT & JESSICA LYNN	10-W8-313
X258	IAFRATE ALBERT & THERESA	10-W8-312
Y259	MOUNTFORD RE; SPEIDEL DONNA K	10-W8-311
Z260	GROB RANDALL E	10-W8-310
A261	ERANEST HEATHER ET AL	10-W8-309
B262	HOWARD PHILLIP E	10-W8-308
C263	HOWARD BRIAN KEITH II	10-W8-307
D264	DELATORE ELIO FRANK SR & DELATORE CLARA B	10-W8-306
E265	BETRAS THOMAS G & WILMA ESTS	10-W8-305
F266	SPURLOCK DAVID R & J A	10-W8-304
G267	BIERY TIFFANY N	10-W8-303
H268	HALLER MICHAEL & L	10-W8-302
I269	MCCULLOUGH RYAN P	10-W8-326
J270	MCCULLOUGH RYAN P	10-W8-327
K271	ECHER SCOTT & TRACIE	10-W8-328
L272	EICHOLTZ DEBRA J	10-W8-331
M273	WHITE MARK K	10-W8-332
N274	WAGNER SIEARRAH J	10-W8-333
O275	WAGNER SIERRAH J	10-W8-333.1
P276	CASTILOW WILLIAM G & E K	10-W8-335
Q277	CITY OF WHEELING	10-W8-336
R278	LANTZ CRAIG & ANN BLAIR	10-W8-337
S279	CITY OF WHEELING	10-W8-338
T280	SOUTHALL JASON L & JENNIFER L	10-W8-351
U281	COLBY SARAH S	10-W8-350
V282	ASSARO ANTHONY L JR & L M	10-W8-349
W283	ASSARO ANTHONY JR ASSARO LENA M	10-W8-348.1
X284	ASSARO ANTHONY JR ASSARO LENA M	10-W8-348.2
Y285	CITY OF WHEELING	10-W8-348
Z286	PRATHER JOHN R	4-R10-47
A287	DEVINE DANIEL FRANCIS AND RENSHAW JEAN ANNE	4-R10-48
B288	MYERS MICHAEL & STEPHANIE	4-R13-16.7
C289	KAPPEL CHARL D	4-R13-22.1
D290	LINDERT DAVID J	4-R13-22.2
E291	BATES NANCY A MARCONI LORNA	4-R13-16.1
F292	COLEMAN JOSEPH P & M A	4-R13-16.2
G293	JUNE PAMELA B & WHITLINGER STEVEN W	4-R13-16.5
H294	FERNS MICHAEL D SR & LINDA K	4-R13-16.4
I295	POLACK EDWARD P	4-R13-1.18
J296	ANDREINI MARY BETH	4-R13-1.20
K297	POLACK EDWARD P	4-R13-1.18
L298	PEACE ANTHONY & RACEY PEACE-GANTZER	4-R13-25
M299	HOOFF ROBERT H	4-R13-17.1
N300	POLACK E PHILLIPS M D	4-R13-15
O301	CITY OF WHEELING	4-R14-15
P302	PELUCETTE JOHN M & C L	4-R14J-1
Q303	PANEPINTO MARK D & MINDY D	4-R14J-2
R304	MILLER VANCE & AMIE	4-R14J-3
S305	BOUDREAU DENISE LYNN	4-R14J-4
T306	FERRELL ELLIOT C	4-R14J-5
U307	TAYLOR JOANE L	4-R14J-8
V308	RICE STEVEN A AND JUDITH A	4-R14J-7
W309	BALTZ LEE E & J L	4-R14J-6
X310	ZAVOLTA RONALD W	4-R14J-9
Y311	SYRYLO RONALD & M	4-R14J-10
Z312	CHIAZZA PETER P & AUDREY D	4-R14J-11
A313	TODD HOWARD R JR	4-R14J-12

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REVISIONS:

COMPANY:



OPERATOR'S

SHANNON FIELDS OHI

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WELL LOCATION PLAT



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

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
Q95	MCKENZIE JOHN WILLIAM & CASSANDRA DENEENE MCKENZIE	10-W10-157.3
R96	BRUNT RICHARD & ANGELEANA	10-W10-157.4
S97	SILO LLC C/O ROBINSON RICHARD	10-W10-171.1
T98	RUSSELL TINA M	10-W10-137
U99	MACKEY FRANK D	10-W10-138
V100	SOLTYSIAK CAROL SUE	10-W10-139
W101	CLOVIS JEREMY D	10-W10-140
X102	PERRY BRANDON	10-W10-141
Y103	TSORAS JOYCE A	10-W10-142
Z104	MCKITRICK REBECCA L	10-W10-143
A105	DELONG JONATHAN A & KRystal M CLARK	10-W10-144
B106	HENNING DON A & ROBERTA	10-W10-145
C107	KING CHRISTIAN ALEXANDER	10-W10-146
D108	KING CHRISTIAN ALEXANDER	10-W10-146.1
E109	MYLES THOMAS F & SORGE MARTHA J	10-W10-149
F110	EBERHARD JAMES R & TRACY L	10-W10-150
G111	RAFA MICHAEL J & M A	10-W10-151
H112	PARSHALL H E & T O - TOD	10-W10-152
I113	NICHOLS JERRY & KASSIE BELKNAP	10-W8-360
J114	HALOSZKA TERRANCE L & K	10-W8-281.1
K115	CITY OF WHEELING	10-W8-281
L116	QUINLAN JAMES M & DEBRA L	10-W8-249
M117	EDGE JAMES E & T A	10-W8-285
N118	KJAERHOLT NICHOLAS S & ANNA KOWALASKA	10-W8-286
O119	CRUPE JAMES K JR	10-W8-287
P120	WEST DEBORAH L	10-W8-288
Q121	DONOHEW WILLIAM M III & JEANETT E DONOHEW - TOD	10-W8-289
R122	STANLEY BRANDON & KYLA	10-W8-290
S123	VOPAL ANNE S & GEORGE J III	10-W8-291
T124	SANDERSON PHILLIP M & B E	10-W8-292
U125	SMITH DAVID L & J	10-W8-293
V126	PEREZ EDGAR EFREN	10-W8-294
W127	YOST HEATHER & DEREK	10-W8-294.1
X128	BURCH JOANN R	10-W8-262
Y129	BURCH DALE E & JOANN R	10-W8-269.1
Z130	HAUGHT ADAM J & SCHNEID HEATHER L	10-W8-270
A131	ROSS GREGORY J & JANICE L	10-W8-271
B132	STRONG ROBERT E & ELIZABETH A	10-W8-272
C133	ROOFERS LOCAL NO 188	10-W8-60
D134	ROOFERS LOCAL NO 188	10-W8-60.1
E135	ROOFERS LOCAL 188	10-W8-59
F136	SNIDER IRVIN W JR & N J	10-W8-58
G137	VIEWEG MARK E	10-W8-23
H138	TALKINGTON ROBERT W	10-W8-22
I139	RORY INVESTMENTS LLC	10-W8-21
J140	KEPNER FUNERAL HOMES INC	10-W8-20
K141	KEPNER FUNERAL HOMES INC	10-W8-19
L142	KEPNER FUNERAL HOMES INC	10-W8-18
M143	MM PA PROPERTIES LLC	10-W6-140
N144	MYERS KELLEN J & BENNETT CASSANDRA B	10-W6-85
O145	YANCHAK MICHAEL P & MAGGI	10-W6-86
P146	KOSHENKA COURTNEY M	10-W6-87
Q147	RUSSELL LORI A	10-W6-88
R148	POLSINELLI LINDA C & ARGY JOSEPH	10-W6-89
S149	MASCOLINO RAYMOND J & NORMA S IRREVOC TRUST	10-W6-90
T150	ELLER DAVID A & J A	10-W6-91
U151	NEUBAUER CLIFFORD D	10-W6-60.4

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ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
V152	DUDEK JAMES F & P L	10-W6-60.3
W153	DUDEK JAMES F	10-W6-60.8
X154	LEMERY CYNTHIA S - TOD	10-W6-60.6
Y155	LEMERY CYNTHIA S - TOD	10-W6-60.7
Z156	SWANN JAMES & CONNIE IRR TRST	10-W6-60.5
A157	MCCORMICK KEVIN RAYMOND & SHEILA MARIE MCCORMICK	10-W5-90
B158	SARKIS DOUGLAS A & SUSAN J-TOD	10-W5-89
C159	SARKIS DOUGLAS A & SUSAN J-TOD	10-W5-86.1
D160	SARKIS DOUGLAS A & SUSAN J-TOD	10-W5-86
E161	SARKIS DOUGLAS A & SUSAN J-TOD	10-W5-86.5
F162	REINEKE ERIC L	10-W5-86.3
G163	REINEKE ERIC & JAZLYN	10-W5-41.1
H164	HERNDON ENTERPRISES	10-W5-42.1
I165	WHITE MARK FRANKLIN	10-W5-43
J166	MYERS MORGAN RAE	10-W5-44
K167	PESI DAVID S & JAYME M	10-W5-45
L168	GIERTZ MICHAEL P	10-W5-46.1
M169	KRIEGER ZACHARY A & BRITTANY D INMAN	10-W5-47
N170	SANTIMARINO CHERYL L & KING ROBERT P	10-W5-48.1
O171	VILLANI DENISE LYNN	10-W5-49
P172	CITY OF WHEELING	10-W1-10
Q173	MM BP PROPERTIES LLC	10-W3-103
R174	ECLIPSE PROPERTIES LLC	10-W1-6
S175	NORTH FORK LANDFILL INC	10-W1-5.1
T176	UNITED STATES OF AMERICA ARMY CORP OF ENG - PITTS DIV	4-R7-38
U177	CITY OF WHEELING	10-W1-10
V178	WEST VIRGINIA DEPART OF HWYS	10-W1-2.2
W179	SCHWERTFEGER NOEL R IRR TRUST; WESBANCO TRUST & INVEST TEES	10-W1-3
X180	SCHWERTFEGER NOEL R IRR TRUST; WESBANCO TRUST & INVEST TEES	10-W1-4.1
Y181	MONTELEONE GENE MICHAEL	10-W1-4.3
Z182	CB PROPERTIES LLC	10-W1-5
A183	CUPP T G & SONS INC	10-W1-6.1
B184	COBB DIANA LYNN	10-W1-4.2
C185	COBB DIANA	10-W1-7
D186	COBB DIANA L	10-W1-8
E187	COWDEN SANDRA L	10-W1-9
F188	I M A DOLAN INC	10-W2-11
G189	SONDA SCOTT	10-W4-114
H190	EDWARDS WAYNE & ETTA	10-W4-114.1
I191	DELONG HAROLD J	10-W4-116
J192	DELONG HAROLD J	10-W4-53
K193	BETHLEHEM GEAR & MACHINE CO	10-W4-51.1
L194	GOUGE JANICE L	10-W4-1
M195	LAKE MICHAEL P & HOLLY M	10-W4-2
N196	HUFF JOHN LEE & ABBEGAIL LEE HUFF	10-W3-98
O197	SWANN WM B & M M	10-W3-102.1
P198	ROSS JAIME J	10-W3-7
Q199	MILLER LISA MARIE	10-W3-9
R200	HINDS NOAH R	10-W3-11
S201	PETERMAN JOHN C	10-W3-50
T202	THOMPSON JONATHAN SCOTT	10-W3-49
U203	OLIVER MARIE	10-W3-60
V204	RUBY BRENT J	10-W3-61
W205	FERRELL RYAN M & LACIE L	10-W3-62
X206	ADAMS RALPH A & JUDITH A - TOD	10-W3-63
Y207	JOHNSON GARY E & CYNTHIA-RTO; JOHNSON ERIC M ET AL	10-W3-65
Z208	HOLLINGSHEAD J T & A J	10-W3-66
A209	BUNGARD CHRISTOPHER J & REBEKAH L	10-W3-67

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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	RCK 2 GROUP LLC 1/2 VOGRIN MICHELLE L 1/2	10-W41-74
Y	DOBBS DANIEL L & JULIE A	6-T1-13
Z	CARROLL DONALD L & CARROLL D ANN M	10-W41-57
A1	TEMPLIN GENEVA E	10-W41-56
B2	STORCH PETER G & LAURIE L	10-W41-46
C3	KOVALICK ROBERT J JR	10-W41-45
D4	MCGINLEY JOSEPH R & KELLY K	10-W41-44.2
E5	MCGINLEY JOSEPH R & KELLY K	10-W41-44.1
F6	MCGINLEY JOSEPH R & KELLY K	10-W41-44
G7	MCGINLEY JOSEPH R & KELLY K	10-W41-43
H8	STORCH PETER G & LAURIE	10-W41-42
I9	HINEGARDNER JAMES L & B S	10-W41-41
J10	STEADMAN STELLA M - TOD	10-W41-39
K11	INGRAM ROBERT H & MARLENE L-	10-W41-35.2
L12	BARANOWSKI CRYSTAL L	10-W41-24.2
M13	MCKEETS JEANNE M - TOD	10-W41-24.1
N14	HAMM WILLIAM A	10-W41-24
O15	RUSSELL NESBITT SERVICES INC	10-W34-16
P16	HOLT SHERYL L	10-W34-17.1
Q17	HOLT SHERYL L	10-W34-17
R18	HOLT SHERYL L	10-W34-17.2
S19	NALLY SUSAN B	10-W34-18
T20	SNIDER JAMES & CINDY	10-W34-18.3
U21	SNIDER JAMES & CINDY	10-W34-18.1
V22	SNIDER JAMES & CINDY	10-W34-29.1
W23	WHEELING PARK COMMISSION	10-W34-29
X24	WHEELING PARK COMMISSION	10-W34-28
Y25	SNIDER JAMES R	10-W34-27
Z26	YOUNG DANIEL & CHELSEA	10-W34-26
A27	YOUNG DANIEL & CHELSEA	10-W34-25
B28	YOUNG DANIEL R & CHELSEA R	10-W34-25.1
C29	YOUNG DANIEL R & CHELSEA R	10-W33-331.9
D30	UNKNOWN	
E31	PHILLIPSON SANDIN E	6-T1-1
F32	GC&P DEVELOPMENT LLC	10-W26-90

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ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
G33	LOHR LINDA J	10-W26-89
H34	GACS L P	10-W26-90.1
I35	LLL LLC	4-R17-6
J36	SEABRIGHT JACK & DANIELLE	4-R17-6.4
K37	GILSON THOMAS A & STEPHANIE S	10-W26-50
L38	HEISELE BARBARA ELLEN	4-R16-1.4
M39	MCCARTHY T CARROLL JR	4-R16-1.5
N40	ACQUISITIONS LLC	4-R16-1.6
O41	STRATFORD CIRCLE VILLAS ASSOCIATION INC	4-R16-1.3
P42	STRATFORD CIRCLE VILLAS ASSOCIATION INC	4-R16-1.8
Q43	BAUER ROBB V AND KATHY	10-W21-43
R44	STRATFORD HEIGHTS ASSOC C/O MENDEL, MARTY	4-R16-1.9
S45	STRATFORD HEIGHTS ASSOC C/O MENDEL, MARTY	4-R16-1.10
T46	MOOREHEAD RICHARD M & JUDY A	4-R16-1.25
U47	TYLER ELLEN L	4-R16-1.12
V48	MURPHY ROBERT L & LINDA D	4-R16-1.13
W49	ROBERTS MARY L - TOD	4-R16-1.1
X50	JOHN M STASKY TRUST UNDER AGREEMENT	4-R16-1.28
Y51	TAYLOR R JAMES & DEBORAH K	4-R16-1.13
Z52	DEEM STEVEN C & NORMA J	4-R16-1.22
A53	KALISZ WILLIAM & CATHERINE A	4-R16-1.21
B54	MENDEL MARTHA J	4-R16-1.19
C55	SPERLAZZA RYAN J & ASHLEY M	4-R16-1.18
D56	BURGER RAYMOND P KAREN E	4-R13R-25
E57	BECK ISABELLE M	4-R13R-24
F58	WORKMAN KAITLYN MARIE & JACK ARMSTRONG FITCH	4-R13R-22
G59	FINSLEY HENRY M	4-R13R-21
H60	KETTLER JARED E	4-R13R-20
I61	WEISENBORN STEPHANIE L	4-R13R-19
J62	ALTMAN SHARON LOUISE C/O WESBANCO TRUST DEPT	4-R13R-18
K63	DUPLAGA MICHAEL F III	4-R13R-17
L64	GROUX FRED E JR	4-R13R-16
M65	ETHEL ROSE SMITH - TOD	4-R13R-15
N66	HUGHES JOSHUA KELLER	4-R13R-14
O67	MANNING JAMES C	4-R13R-13
P68	MANNING JAMES C	4-R13R-12
Q69	WEISENBORN DALE A & S L	4-R13R-11
R70	BEARY HILARY H	4-R13R-10
S71	BOWMAN ROBERT E & BARBARA A	4-R13R-9
T72	MANNING LAWRENCE R & LESLIE A	4-R13R-8
U73	PAREE ANGELO JR & KELLY J	4-R13R-7
V74	MOSCA TRUST; LOUISE E MOSCA TRUSTEE	4-R13R-6
W75	MOSCA TRUST; LOUISE E MOSCA TRUSTEE	4-R13R-5
X76	TRABERT TERRI L ET AL	4-R13R-4
Y77	CAIN AUSTIN T	4-R13R-3
Z78	SCHUNK CHRISTOPHER & JESSICA	4-R13R-1
A79	CAPGROW HOLDINGS	4-R13-19
B80	PRATHER BETH M	4-R13-20.1
C81	PARADISE MANAGEMENT LLC	4-R13-20
D82	PRATHER JOHN R & BETH M	4-R13-20.4
E83	FIRST CLASS REALTY LLC	4-R13-1.12
F84	PARADISE MANAGEMENT LLC	4-R13-20.3
G85	PRATHER JOHN R & BETH M	4-R13-12.1
H86	DIRK INVESTMENTS INC	4-R13-6
I87	PRATHER JOHN R AND BETH M	4-R13-4
J88	OHIO VALLEY REALTY COMPANY	10-W14-91
K89	OHIO VALLEY REALTY COMPANY	4-R13-8
L90	OHIO VALLEY REALTY COMP	4-R13-22
M91	OHIO VALLEY REALTY COMPANY	4-R13-23
N92	OHIO VALLEY REALTY COMPANY	10-W10-159.3
O93	OHIO VALLEY REALTY COMPANY	10-W10-159.2
P94	BENCE JACQUELINE D	10-W10-159.1

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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	SEABRIGHT JACK & DANIELLE	4-R17-6.3
6	SEABRIGHT JACK & DANIELLE	4-R17-6.2
7	COMMUNITY IMPACT LAND HOLDING INC	10-W27-1
8	ELM HILL HOLDINGS LLC	4-R14-14
9	WEST RENTALS INC	4-R16-1
10	RAW HOLDINGS LLC	4-R16-1.24
11	LINDSAY MARK E & JULIE K	4-R16-1.26
12	RINE JASON A & HEATHER N RINE	4-R16-2.3
13	DIANA H. SLABAUGH, ET AL	4-R13-26
14	ELLWOOD DAVID B & DIXIE L -TOD	4-R13-26.C001
15	MICHALSKI JOHN & SUSAN	4-R16-1.23
16	WHEELING PARK COMMISSION	10-W17A-1
17	MJL REAL ESTATE HOLDINGS LLC	4-R13R-27
18	LAURENCE WASH FARMS IMPROVEMENT ASSN	4-R13-1
19	MCCORMICK JOHN	4-R13-9
20	CARR NANCY P & ROBERT E JR-TOD	4-R13-17
21	CARR NANCY P - TOD	4-R13-10
22	FIRST CLASS REALTY LLC	4-R13-17.2
23	KEPPEL MARK A & LISA M	4-R13-12
24	POLACK EDWARD P	4-R13-1.19
25	PRATHER JOHN R & BETH M	4-R13-20.2
26	PRATHER JOHN R & BETH	4-R13-21
27	YAHN ALEXA A	4-R13-21.1
28	PRATHER JOHN R & BETH A	4-R13-18.3
29	SOLOININKA DAVID A & KELLY A	4-R13-18.2
30	OCH ROBERT F & REBECCA S	4-R13-18
31	FIGARETTI CHRISTOPHER J & FIGARETTI KRISTEN	4-R13-18.5
32	ANDREINI LAURA J REVOCABLE TRUST	4-R13-18.1
33	MCGOWAN THOMAS P & MELISSA ANN	4-R13-22.3
34	MCDERMOTT ERIN	4-R13-22.4
35	OHIO VALLEY REALTY	10-W10-159.8
36	HEMPELMANN FRIEDRICH E & D C	10-W10-157.2
37	PRATHER TYLER D	10-W10-171
38	CITY OF WHEELING	10-W8-283
39	CITY OF WHEELING	10-W8-284
40	PUGLISI CHARLES P & M M	10-W8-347
41	OLEARY HAROLD G & ARSDALE JULIANA VAN	10-W8-346
42	BROOKES BRIAN W & D A	10-W8-345
43	ROSS DOUGLAS M	10-W8-344
44	SCHREYER WILLIAM J - TOD	10-W8-343
45	WARD NICHOLAS J	10-W8-342
46	CROW BRIAN D & BETH ELLEN GARRETT	10-W8-341
47	OURS MEGAN LEIGH & TY	10-W8-340
48	KASPER DAVID & SYDNEY P FERGUSON	10-W8-339
49	NELSON RAMONA L	10-W8-295
50	DUSCH ERIN M & CHARLES D DUSCH JR	10-W8-296
51	DUFFY LAWRENCE V & DEBRA L	10-W8-297
52	GUY JAMES E JR	10-W8-298
53	FRYE JEFFREY R	10-W8-299
54	MARSH RICHARD C & S I	10-W8-300
55	KLEEH DANIEL E II	10-W8-301
56	CITY OF WHEELING	10-W8-280

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S)	TAX PARCEL
57	STRONG ROBERT E & ELIZABETH A	10-W8-272.1
58	CHAMBERS DONALD E	10-W8-273
59	STEPHENS MELVIN C JR & MARY ANN STEPHENS - TOD	10-W8-274
60	STEPHENS MELVIN C JR & MARY ANN STEPHENS - TOD	10-W8-275.1
61	MARUTI CONSTRUCTION CO LLC	10-W8-277
62	LOUGH MARY	10-W8-279
63	LOMBARD BERNARD III	10-W6-156.1
64	SCHAEFER SCOTT R & TINA M	10-W6-147
65	ERNEST JAMES E & GERALDINE	10-W6-145.1
66	ERNEST JAMES E & GERALDINE	10-W6-145
67	NORTHERN VALLEY REALTY INC	10-W6-94.1
68	ATT PROPERTIES LLC	10-W6-93.1
69	ASSARO ANTHONY L	10-W6-92.1
70	RCK 2 GROUP LLC	10-W6-92.2
71	QUALITY CONTRACTING & REPAIR LLC-BYR; B J LOMBARD III-SLR	10-W6-93
72	W VA DEPT OF HIGHWAYS	WOODLAND AVE.
73	REMLAP INVESTORS LLC	10-W6-59
74	REMLAP INVESTORS LLC	10-W6-58
75	REMLAP INVESTORS LLC	10-W6-58.1
76	J & M DISTRIBUTING INC	10-W6-56
77	CENTRE FOUNDRY & MACHINE CO	10-W6-157
78	CENTRE FOUNDRY & MACHINE CO.	10-W6-159
79	SMITH THOMAS C	10-W6-20
80	OLIVER ROBT L & M E	10-W6-19
81	DAVIS RAYMOND O & B A	10-W6-18
82	GARBARK LORETTA V	10-W6-17
83	HORBATAK JUDY ANN	10-W6-16
84	SCARBIN ZACHARY D	10-W6-15
85	PESI MICHAEL A	10-W6-14
86	WINSKI ROSEMARY J & E J JR	10-W6-13
87	VILLA RENTAL PROPERTIES LLC	10-W6-3
88	PRICE JEAN A & JOHN W JR	10-W6-2
89	LANDIS CALVIN L ESTATE	10-W6-1
90	BANE MARK A & C L	10-W3-77
91	PLANTS JAMES W	10-W3-76
92	BERO PHYLLIS L	10-W3-75
93	VANCE AUSTIN LEE	10-W3-74
94	ANNETT REBEKAH	10-W3-73
95	HOFFMAN DAVID W & HOFFMAN CATHY S	10-W3-72
96	SCHMITT JOHN H	10-W3-71
97	HUFFMAN PAUL EDWARD	10-W3-41
98	BENTZ JEFFREY M	10-W3-42
99	HENRY ELIZABETH & KOLT DOBRZYNSKI	10-W3-43
100	BOWMAN ROBERT HOWARD III	10-W3-44
101	AIELLO SHELLEY L	10-W3-46
102	UENG JAQUELINE & ANNY WU	10-W3-45
103	RAMEY MELISSA A OLAKO	10-W3-47
104	WARD MELVIN ROBERT	10-W3-48
105	RCC PROPERTIES LLC	10-W3-13
106	WHIPKEY MARK F & HEATHER JOY	10-W3-12
107	BLUM BRANDI L	10-W3-10
108	BLUM BRANDI L	10-W3-8
109	BLUM BRANDI L	10-W3-6
110	BRUCETON FARM SERVICE INC	10-W3-102
111	BETHLEHEM GEAR & MACHINE CO	10-W3-104
112	CITY OF WHEELING	10-W1-10
113	BETHLEHEM GEAR & MACHINE CO	10-W3-104.1
114	OHIO RIVER	
115	UNITED STATES OF AMERICA	4-R7-3

05/15/2026

REVISIONS:	COMPANY:		
	OPERATOR'S	SHANNON FIELDS OHI	
	WELL #:	201H	
	DISTRICT:	COUNTY:	STATE:
	RICHLAND	OHIO	WV
			DATE: 12-16-2025
			DRAWN BY: TMF
			SCALE: N/A
			DRAWING NO: 2326
			WELL LOCATION PLAT

WW-6A1
(5/13)

Operator's Well No. Shannon Fields OHI 201H

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

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Exhibit "A"				

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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: *Kelley Ryan*
 Its: Landman II

EXHIBIT 'A'						
Shannon Fields O&G 201H						
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	May 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 Burns, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	805,270 884,157, 888,786 1094,490	
		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-R17-4	Conerstone 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	4-R17-6.3	Jack A. Seabright and Danielle L. Seabright, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	941,136 1094,490	0.00%
6	4-R17-6.2	Jack A. Seabright and Danielle L. Seabright, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	941,136 1094,490	0.00%
7	10-W27-1	Viney and Christian Fellowship-Wheeling	American Petroleum Partners SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	940,588 980,572 1094,490	0.00%
8	4-R14-14	Bounty Minerals, LLC	Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	Pending	25.00%
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
9	4-R16-1	Albert T. Fisher, III, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	850,669 885,777, 888,636 1094,490	0.00%
		Christie A. Fisher, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	942,443 1094,490	0.00%
		Frances F. Verdery, a/k/a Frances W. Verdery, a/k/a Frances W. Fisher, a married woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	941,52 1094,490	0.00%
		West Rentals, Inc.	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	855,707 885,764 1094,490	0.00%
10	4-R16-1.24	The Stratlin T. Ortiz Trust	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1016,263 1094,490	0.00%
11	4-R16-1.26	Mark E. Lindsay and Julie K. Lindsay, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1061,355 1094,490	0.00%
12	4-R16-2.3	Jason A. Rine and Heather N. Rine, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1082,585 1094,490	0.00%
13	4-R13-26	Walter S. Sykes, Jr. and Jeanne M. Sykes, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1019,716 1094,490	30.00%
		Shan McPhail, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1018,482 1094,490	
		Diana H. Stabugh, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1019,338 1094,490	
		Carla A. Williams, III, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1019,344 1094,490	
		David B. Ellwood and Dixie L. Ellwood, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1061,278 1094,490	
		John L. Kalkreuth and Sherri L. Kalkreuth, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1063,74 109,490	
		Peter Paul Bienenk, III, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1094,1 1094,490	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
14	4-R13-26 C001	David B. Ellwood and Dixie L. Ellwood, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	1061,278 1094,490	0.00%
15	4-R16-1.23	Dennis K. Hon and Martha L. Hon, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	829,731 884,729, 888,494 1094,490	0.00%
16	10-W17-A1	The Estate of Catherine S. Ramage, Richard C. Ramage, Executor, and Richard C. Ramage, a widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	848,194 885,777, 888,636 1094,490	0.00%
		Albert T. Fisher, III, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	850,699 885,777, 888,636 1094,490	
		Virginia Episcopal School	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	853,375 885,777, 888,636 1094,490	
		Frances F. Verdery, a/k/a Frances W. Verdery, a/k/a Frances W. Fisher, a married woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	941,52 1094,490	
		Christie A. Fisher, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	942,443 1094,490	
		Elizabeth B. Johnson, 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	979,342 1094,490	
		Stuart & Jordan Bacon Trust Agreement, dated October 22, 1991	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	979,355 1094,490	
		Bates Family Trust, dated February 24, 2000	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	979,117 1094,490	
		Victor H. Woolley & Kate Reilly Woolley, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1 8th per WV Code §22-6-8	988,281 1094,490	

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Office of Oil and Gas
APR 09 2026
WV DEPARTMENT OF
ENERGETICS PRODUCTION

EXHIBIT "A"						
Shannon Fields O&G 201H						
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
		Clark H. Woolley, a married man dealing in his sole and separate property	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	995.531 1094.490	
		Frances W. Altmaier, married woman dealing in her sole and separate property	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	989.156 1094.490	
		The City of Wheeling, a Municipal Corporation	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1027.517 1094.490	
		Cary Marshall Smith, a widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1029.234 1094.490	
		Iabel E. Scott, a widow, by Melvin H. Scott, Attorney in Fact	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1029.214 1094.490	
		Charles C. R. Dillon, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1029.224 1094.490	
17	4-R13R-27	The Estate of Catherine S. Ramage, Richard C. Ramage, Executor, and Richard C. Ramage, a widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	848.154 885.77, 888.636 1094.490	0.00%
		Albert T. Fisher, III, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	850.099 885.77, 888.636 1094.490	
		Virginia Episcopal School	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	851.375 885.77, 888.636 1094.490	
		Frances F. Verdery, aka Frances W. Verdery, aka Frances W. Fisher, a married woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	941.52 1094.490	
		Christie A. Fisher, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	942.443 1094.490	
		Elizabeth B. Johnson, a married woman dealing in her sole and separate property	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	979.342 1094.490	
		Stuart & Jordan Bacon Trust Agreement, dated October 22 1991	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	979.355 1094.490	
		Bates Family Trust, dated February 24, 2000	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	979.117 1094.490	
		Victor H. Woolley & Kate Reilly Woolley, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	988.281 1094.490	
		Clark H. Woolley, a married man dealing in his sole and separate property	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	995.531 1094.490	
		Frances W. Altmaier, married woman dealing in her sole and separate property	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	989.156 1094.490	
		Cary Marshall Smith, a widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1029.234 1094.490	
		Iabel E. Scott, a widow, by Melvin H. Scott, Attorney in Fact	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1029.214 1094.490	
		Charles C. R. Dillon, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1029.224 1094.490	
		Jarvis Downing & EMCH, Inc.	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	937.385 1094.490	
18	4-R13-1	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	952.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Allysa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Can, wife and husband	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1020.465 1094.490	
		Ridgtop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1105.226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1103.578	
		Allysa B. Phillips Non-Exempt Trust, Allysa Phillips, Trustee	Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1/8th per WY Code §22-6-8	1105.215	

EXHIBIT "A" Shannon Fields O&H 201H 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	BC/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
19	4-R13-9	David J. Scheinböltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	952.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	947.70 980.572 1094.490	
		Marsha H. Phillips and Alyssa B. Teike, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, wife and husband	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	at least 1.0th per WV Code §22-6-6	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1105.226	
		David J. Scheinböltz, a single man	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
20	4-R13-17	David J. Scheinböltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	952.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	947.70 980.572 1094.490	
		Marsha H. Phillips and Alyssa B. Teike, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, wife and husband	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1105.226	
		David J. Scheinböltz, a single man	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.0th per WV Code §22-6-6	1104.278	

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EXHIBIT 'A'						
Shannon Fields O&H 2011H 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
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
21	4-R13-10	Paradise Management, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1005.222 1094.490	6.25%
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinboltz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Allyssa B. Phillips Non-Exempt Trust, Allyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
22	4-R13-17.2	David J. Scheinboltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	932.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Allyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	933.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 1094.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinboltz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Allyssa B. Phillips Non-Exempt Trust, Allyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
23	4-R13-12	David J. Scheinboltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	932.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Allyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	933.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	

EXHIBIT "A" Shannon Fields OHR 201H 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	BL/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Allyssa B. Phillips Non-Exempt Trust, Allyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Unleased owner (s) subject to unification filing	N/A	N/A	N/A	
24	4-813-13	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952.503 980.572 1094.490	0.00%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Allyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
25	4-813-20.2	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Allyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		John R. Prather and Beth M. Prather, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1005.231 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		John R. Prather and Beth M. Prather, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1005.231 1094.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Allyssa B. Phillips Non-Exempt Trust, Allyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	

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EXHIBIT 'A'						
Shannon Fields O&G 201H						
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
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Undeclared owner (s) subject to unitization filing	N/A	N/A		
26	4-R13-21	David J. Scheinboltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Marsha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinboltz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Undeclared owner (s) subject to unitization filing	N/A	N/A	N/A	
27	4-R13-21.1	David J. Scheinboltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Marsha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinboltz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	

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EXHIBIT "A"						
Shannon Fields O&G 2011H						
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
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
28	4-R13-18.3	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952,503 980,572 1094,490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,70 980,572 1094,490	
		Marsha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953,715 980,572 1094,490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,775 980,572 1094,490	
		Nancy P. Carr and Robert E. Carr, 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	947,48 980,572 1094,490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948,13 980,572 1094,490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,59 980,572 1094,490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,37 980,572 1094,490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020,465 109,490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085,599 1094,490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105,226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103,578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105,215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
29	4-R13-18.2	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952,503 980,572 1094,490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,70 980,572 1094,490	
		Marsha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953,715 980,572 1094,490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,775 980,572 1094,490	
		Nancy P. Carr and Robert E. Carr, 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	947,48 980,572 1094,490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948,13 980,572 1094,490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,59 980,572 1094,490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,37 980,572 1094,490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020,465 109,490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085,599 1094,490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105,226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103,578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105,215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	

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Office of Oil and Gas
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Environmental Protection

EXHIBIT "A"									
Shannon Fields O&E 201H									
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	BC/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC			
30	4-R13-18	David J. Scheinböltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952,503 980,572 1094,490	6.25%			
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,70 980,572 1094,490				
		Martha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953,715 980,572 1094,490				
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,775 980,572 1094,490				
		Nancy P. Carr and Robert E. Carr, 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	947,48 980,572 1094,490				
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948,13 980,572 1094,490				
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,59 980,572 1094,490				
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947,37 980,572 1094,490				
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020,465 109,490				
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085,599 1094,490				
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105,226				
		David J. Scheinböltz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,256				
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103,578				
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending				
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,267				
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105,215				
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104,278				
		Unleased owner (s) subject to unitization filing		N/A	N/A		N/A		
		31	4-R13-18.5	David J. Scheinböltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC		at least 1.8th per WV Code §22-6-8	952,503 980,572 1094,490	6.25%
				Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC		at least 1.8th per WV Code §22-6-8	947,70 980,572 1094,490	
Martha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	953,715 980,572 1094,490				
Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	947,775 980,572 1094,490				
Nancy P. Carr and Robert E. Carr, 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	947,48 980,572 1094,490				
Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	948,13 980,572 1094,490				
Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	947,59 980,572 1094,490				
Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	947,37 980,572 1094,490				
Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1020,465 109,490				
Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1085,599 1094,490				
Sara S. Hupp, a single woman	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1105,226				
David J. Scheinböltz, a single man	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1104,256				
Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1103,578				
Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	Pending				
Molly Haze Hupp, a single woman	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1104,267				
Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1105,215				
Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC			at least 1.8th per WV Code §22-6-8	1104,278				
Unleased owner (s) subject to unitization filing				N/A	N/A	N/A			
32	4-R13-18.1			David J. Scheinböltz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	952,503 980,572 1094,490	6.25%	

EXHIBIT A Shannon Fields O&G 201H 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
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	933.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
33	4-R13-22.3	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	932.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	
		Martha H. Phillips and Alyssa B. Teske, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	933.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.48 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Scheinholtz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
34	4-R13-22.4	David J. Scheinholtz, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	932.503 980.572 1094.490	6.25%
		Edward Phillips Polack, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.70 980.572 1094.490	

EXHIBIT "A"						
Shannon Fields O&H 201H 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	BC/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
		Martha H. Phillips and Alyssa B. Toole, as Co-Trustees of the Edward Bayne Phillips Trust, Dated February 9, 1995	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	953.715 980.572 1094.490	
		Molly Haze Hupp, single	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.775 980.572 1094.490	
		Nancy P. Carr and Robert E. Carr, 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	947.44 980.572 1094.490	
		Thomas B. Grimes, Trustee of the Archie Todd Hupp, IV Special Needs Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	948.13 980.572 1094.490	
		Tiffany Judge, a married woman dealing in her sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.59 980.572 1094.490	
		Travis S. Carr, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	947.37 980.572 1094.490	
		Sara S. Hupp, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1020.465 109.490	
		Ridgetop Ten LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.599 1094.490	
		Sara S. Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.226	
		David J. Schenckler, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.256	
		Edward Phillips Polack, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1103.578	
		Alyssa B. Phillips Non-Exempt Trust, Alyssa Phillips, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	
		Molly Haze Hupp, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.267	
		Archie Todd Hupp, IV Special Needs Trust, Thomas B. Grimes, Trustee	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1105.215	
		Tiffany Carr Judge, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1104.278	
		Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	
35	10-W10-159.8	Ronald F. Benice and Jacqueline Benice, his wife	Fossil Creek Ohio, LLC SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	877.68 946.405 1094.490	0.00%
		Ohio Valley Realty Company, a West Virginia corporation	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099.546	
36	10-W10-157.2	Friedrich E. Hempelmann and Deborah C. Hempelmann, 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	936.693 980.572 1094.490	0.00%
37	10-W10-171	Daniel F. Miller and Christa M. Miller, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	989.113 1094.490	0.00%
38	10-W8-283	The City of Wheeling, a municipal corporation of the State of West Virginia	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1097.577	0.00%
39	10-W8-284	The City of Wheeling, a municipal corporation of the State of West Virginia	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1097.577	0.00%
40	10-W8-347	Charles P. Pugh and Margaret M. Pugh, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.262 1094.490	0.00%
41	10-W8-346	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
42	10-W8-345	Brian Ward Brooker and Deborah Ann Brooker, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1082.541 1094.490	0.00%
43	10-W8-344	Douglas M. Rom, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1087.359 1094.490	0.00%
44	10-W8-343	William J. Schreyer, a single man, Life Tenant; and William A. Schreyer, Mary Bernadette Conklin, Michael J. Schreyer, Mary Nancy Schreyer, and Kurt A. Schreyer, Remaindermen	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1095.169 1094.490	0.00%
45	10-W8-342	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
46	10-W8-341	Beth Ellen Garrett, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1082.572 1094.490	0.00%
47	10-W8-340	Megan Leigh Ours and Ty Ours, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1085.311 1094.490	0.00%
48	10-W8-339	David Kauper, 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	1090.122 1094.490	0.00%
49	10-W8-295	Ramona L. Nelson, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1081.1 1094.490	0.00%
50	10-W8-296	Dr. Charles D. Dauch, Jr. and Sarah Kate Dauch, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1089.530 1094.490	0.00%
51	10-W8-297	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
52	10-W8-298	James E. Goy, Jr., a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1086.519 1094.490	0.00%
53	10-W8-299	Jeffrey R. Frye, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1095.479	0.00%
54	10-W8-300	Richard C. Marsh and Sally T. Marsh, husband and wife	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1095.471	0.00%

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

EXHIBIT "A"						
Shannon Fields O&H 2011 Ohio County, West Virginia						
Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by Expand Operating, LLC, Operator						
#	TMP	LESSOR	LESSEE	ROYALTY	BU/PG	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
55	10-W-301	Daniel E. Klisch, II, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1083.295 1094.490	0.00%
56	10-W-280	The City of Wheeling, a municipal corporation of the State of West Virginia	Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1097.577	0.00%
57	10-W-272.1	Robert E. Strong and Elizabeth A. Strong, husband and wife	Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1095.462	0.00%
58	10-W-273	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
59	10-W-274	Melvin C. Stephens, Jr. and Mary Ann Stephens, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1092.266 1094.490	0.00%
60	10-W-275.1	Melvin C. Stephens, Jr. and Mary Ann Stephens, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1092.266	0.00%
61	10-W-277	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
62	10-W-279	Mary Lough, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1096.421	0.00%
63	10-W-6-156.1	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
64	10-W-6-147	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
65	10-W-6-145.1	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
66	10-W-6-145	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
67	10-W-6-94.1	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
68	10-W-6-93.1	ATT Properties LLC	Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	Unrecorded	0.00%
69	10-W-6-92.1	Anthony L. Asaro, a widower	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1083.504 1094.490	0.00%
70	10-W-6-92.2	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
71	10-W-6-93	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
72	WARWOOD AVE	Right of Way	N/A	N/A	N/A	0.00%
73	10-W-6-59	Rendap Investors, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1080.541 1094.490	0.00%
74	10-W-6-58	Rendap Investors, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1080.541 1094.490	0.00%
75	10-W-6-58.1	Rendap Investors, LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1080.541 1094.490	0.00%
76	10-W-6-56	J & M Distributing, Inc.	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1081.17 1094.490	0.00%
77	10-W-6-157	Centre Foundry & Machine Co. a West Virginia corporation	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1081.638 1094.490	0.00%
78	10-W-6-159	Centre Foundry & Machine Co. a West Virginia corporation	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1081.638 1094.490	0.00%
79	10-W-6-20	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
80	10-W-6-19	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
81	10-W-6-18	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
82	10-W-6-17	Loretta V. Garbark, a single woman	Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1104.753	0.00%
83	10-W-6-16	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
84	10-W-6-15	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
85	10-W-6-14	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
86	10-W-6-13	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
87	10-W-6-3	Villa Rental Properties LLC	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1082.526 1094.490	0.00%
88	10-W-6-2	John W. Price, Jr. and Jean A. Price, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1090.713 1094.490	0.00%
89	10-W-6-1	Mary B. Landis, a widow	Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1103.58	0.00%
90	10-W-3-77	Cynthia L. Bane, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WW Code §22-6-8	1083.657 1094.490	0.00%
91	10-W-1-76	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%

EXHIBIT "A" Shannon Fields O&G 201H 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	BL/P/G	% INTEREST NOT LEASED BY SWN PRODUCTION COMPANY, LLC
92	10-W3-75	Phyllis L. Bero, widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1087.538 1094.490	0.00%
93	10-W3-74	Austin Lee Vance, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1094.10 1094.490	0.00%
94	10-W3-73	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
95	10-W3-72	David W. Hoffman and Cathy S. Hoffman, husband and wife	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099.615	0.00%
96	10-W3-71	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
97	10-W3-41	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
98	10-W3-42	Jeffrey M. Bentz, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099.32	0.00%
99	10-W3-43	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
100	10-W3-44	Robert Howard Bowman, III, a single man	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099.632	0.00%
101	10-W3-46	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
102	10-W3-45	Baylee Gittings, a single woman	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099.582	0.00%
103	10-W3-47	Melissa A. Oko Ramey, a married woman dealing in her sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1099.80	0.00%
104	10-W3-48	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
105	10-W3-43	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
106	10-W3-42	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
107	10-W3-40	Brandi L. Blum, a married woman dealing in her own and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1097.633	0.00%
108	10-W3-4	Brandi L. Blum, a married woman dealing in her own and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1097.633	0.00%
109	10-W3-6	Brandi L. Blum, a married woman dealing in her own and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1097.633	0.00%
110	10-W3-402	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
111	10-W3-104	Bethlehem Gear & Machine CO.	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	986.99 1094.490	0.00%
112	10-W1-10	The City of Wheeling, a municipal corporation of the State of West Virginia	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1097.577	0.00%
113	10-W3-104.1	Bethlehem Gear & Machine CO.	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	986.99 1094.490	0.00%
114	Ohio River	State of West Virginia, Department of Commerce, Division of Natural Resources	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	Pending	0.00%
115	4-R7-3	HB LLC	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-9	1103.239	0.00%
U125	10-W8-293	David L. Smith and Joan Smith, his wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1087.743 1094.490	0.00%
V126	10-W8-294	Edgar Eileen Perez, a single man	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1088.41 1094.490	0.00%
W127	10-W8-294.1	Heather Yost and Derek Yost, wife and husband	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1089.469 1094.490	0.00%
Z130	10-W8-270	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
A131	10-W8-271	Gregory J. Ross and Janice L. Ross, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1022.540 1094.490	0.00%
S201	10-W3-50	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
T202	10-W3-49	Jonathan Scott Thompson, a married man dealing in his sole and separate property	Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1093.446	0.00%
R210	10-W3-68	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
C211	10-W3-69	Christy R. Aiken, a single woman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.8th per WV Code §22-6-8	1090.983 1094.490	0.00%
D212	10-W3-70	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
Q251	10-W6-144	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
R252	10-W6-147	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
S253	10-W6-149	Unleased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%

EXHIBIT "A" Shannon Fields O&G 201H 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
T254	10-W-115	Undeased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
U255	10-W-153	Undeased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
H263	10-W-302	Linda Haller, a widow	SWN Production Company, LLC Expand Appalachia LLC	at least 1.00% per WY Code §22-6-8	1087.512 1094.490	0.00%
Y285	10-W-344	The City of Wheeling, a Municipal Corporation	SWN Production Company, LLC Expand Appalachia LLC	at least 1.00% per WY Code §22-6-8	999.724 1094.490	0.00%
E369	10-W-65	Robert W. Joseph and Brenda A. Joseph, husband and wife	SWN Production Company, LLC Expand Appalachia LLC	at least 1.00% per WY Code §22-6-8	1082.533 1094.490	0.00%
F370	10-W-64	Assad Rabi, a single person, Life Tenant, and Scott Pekinsky and Alicia Pekinsky, husband and wife, Remainderman	SWN Production Company, LLC Expand Appalachia LLC	at least 1.00% per WY Code §22-6-8	1081.9 1094.490	0.00%
F380	10-W-3-38	Undeased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
Q181	10-W-3-39	Undeased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
R382	10-W-3-40	Undeased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
Y415	4-R16-2-C903	Undeased owner (s) subject to unitization filing	N/A	N/A	N/A	100.00%
END OF EXHIBIT "A"						



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 201H in Ohio County, West Virginia, Drilling under Warden Run Road, Oglebay Drive, Oxford Drive, Townhouse Road, Greggsville Clinton and Potomac Road, Washington Farms Road, Highland Avenue, Cherry Hill Road, Warwood Avenue, Warwood Terrace, N 24th Street, N. 25th Street, Hess Ave, N. 26th Street, Lane A, Lane B, and Lane C.

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 Warden Run Road, Oglebay Drive, Oxford Drive, Townhouse Road, Greggsville Clinton and Potomac Road, Washington Farms Road, Highland Avenue, Cherry Hill Road, Warwood Avenue, Warwood Terrace, N 24th Street, N. 25th Street, Hess Ave, N. 26th Street, Lane A, Lane B, and Lane C. Please be advised that Expand has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

A handwritten signature in black ink that reads "Kelley Ryan". The signature is written in a cursive, flowing style.

Kelley Ryan
Landman II – SW Appalachia Division
Expand Operating LLC

05/15/2026

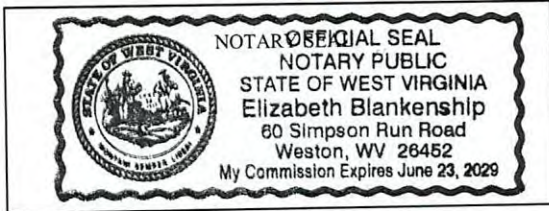
WW-6AC
(1/12)

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>

Brittany Woody



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.

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

05/15/2026

WW-6A
(9-13)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 201H
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: 4/4 Date Permit Application Filed: 4/4

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

Notice of:

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

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

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

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

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

SURFACE OWNER(s)

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

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

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

COAL OPERATOR

Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: See Attachment 13A
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 - _____
OPERATOR WELL NO. Shannon Fields OHI 201H
Well Pad Name: Shannon Fields OHI

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

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

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 -
OPERATOR WELL NO. Shannon Fields OHI 201H
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

RECEIVED
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.**

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(8-13)

API NO. 47- 069 - _____
 OPERATOR WELL NO. Shannon Fields OHI 201H
 Well Pad Name: Shannon Fields OHI

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

05/15/2026

WW-6A
(8-13)

API NO. 47- 069 - _____
OPERATOR WELL NO. Shannon Fields OHI 201H
Well Pad Name: Shannon Fields OHI

Notice is hereby given by:

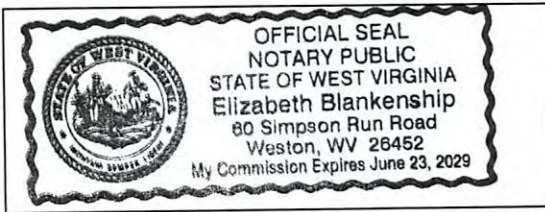
Well Operator: Expand Operating LLC
Telephone: 304-209-5688
Email: Brittany.Woody@expandenergy.com

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.



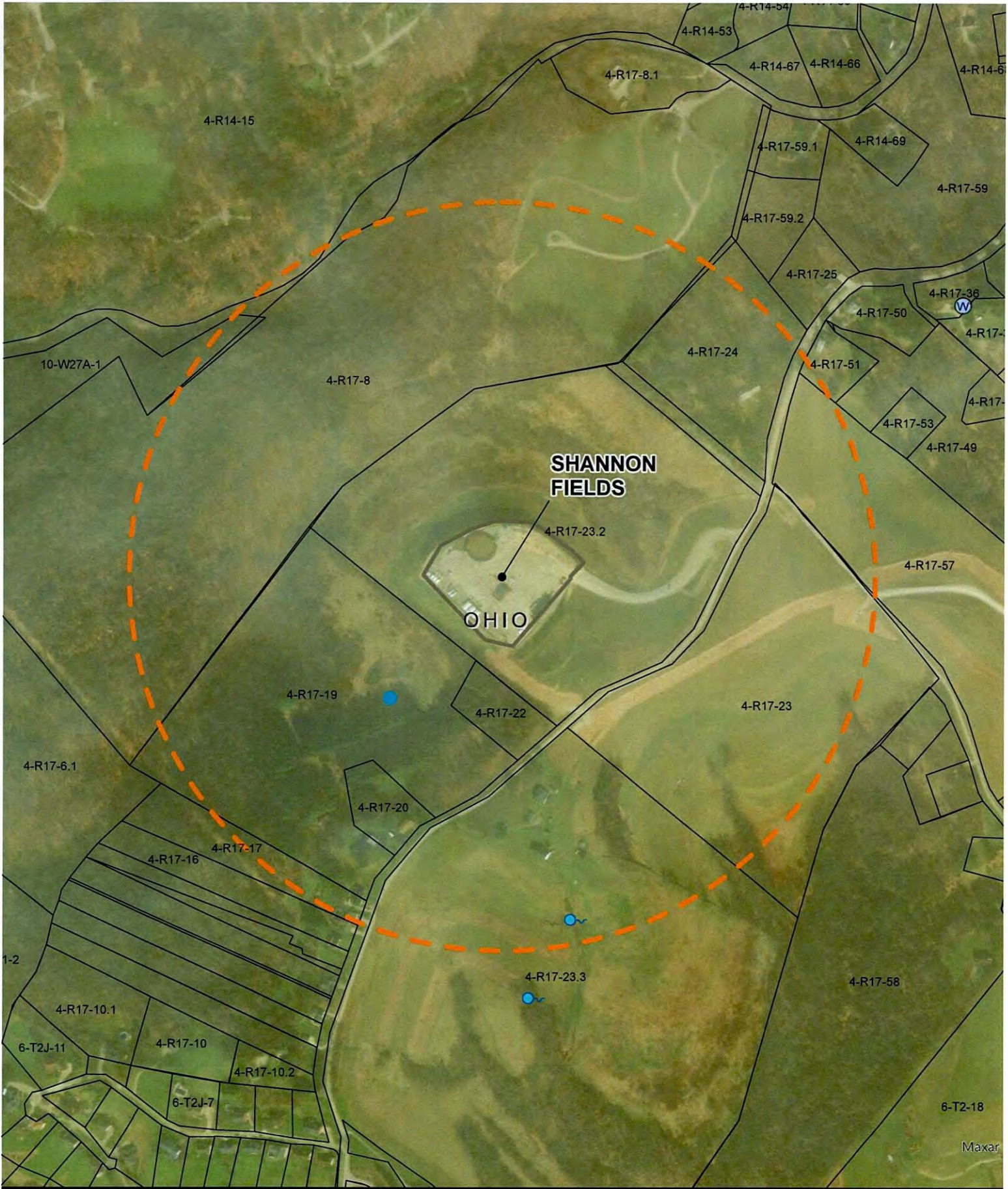
Subscribed and sworn before me this 4 day of Dec, 2025.
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

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

RECORDED
Office of Oil and Gas
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

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

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 201H

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:** 12/18/2025

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

Name: _____
Address: _____

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: EXPAND APPALACHIA LLC
Address: 1300 FORT PIERPONT DRIVE, SUITE 201
MORGANTOWN, WV 26508
Telephone: 304-231-8329
Email: reid.croft@expandenergy.com
Facsimile: _____

Authorized Representative: REID CROFT
Address: 1300 FORT PIERPONT DRIVE, SUITE 201
MORGANTOWN, WV 26508
Telephone: 304-231-8329
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

WW-6A5
(1/12)

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

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

Date of Notice: 12/17/2025 **Date Permit Application Filed:** 4/8

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

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

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

Notice is hereby provided to the SURFACE OWNER(s)

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

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

Name: _____
Address: _____

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>529179.423</u>
County: <u>OHIO</u>		Northing: <u>4437607.961</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
Telephone: 304-231-8329
Email: reid.croft@expandenergy.com

Address: 1300 FORT PIERPONT DRIVE, SUITE 201
MORGANTOWN
Facsimile: _____

Oil and Gas Privacy Notice:

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

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
Plexslic 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
Plexslic 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 201H

PAD NAME: Shannon Fields OHI

REVIEWED BY: _____

SIGNATURE: Bethany Waddy

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