



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

Tuesday, July 28, 2026
WELL WORK PERMIT
Horizontal 6A / New Drill

EXPAND OPERATING LLC
6100 N WESTERN AVE.

OKLAHOMA CITY, OK 73118

Re: Permit approval for Constance Taylor WTZ 601H
47-103-03867-00-00

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, reading 'H. Jason Harmon'.

H. Jason Harmon
Chief

Operator's Well Number: Constance Taylor WTZ 601H
Farm Name: Constance A Taylor
U.S. WELL NUMBER: 47-103-03867-00-00
Horizontal 6A New Drill
Date Issued: 7/28/2026

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.

07/31/2026

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

1) Well Operator: <u>Expand Operating LLC</u>	494533012	103-Wetzel	07-Proctor	681-Wileyville
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: Constance Taylor WTZ 601H Well Pad Name: Constance Taylor WTZ

3) Farm Name/Surface Owner: Constance A. Taylor Public Road Access: Brock Ridge Road

4) Elevation, current ground: 1430' Elevation, proposed post-construction: 1430'

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- 7405', Target Base TVD- 7454', Anticipated Thickness- 49', Associated Pressure- 4883

8) Proposed Total Vertical Depth: 7436'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,884'

11) Proposed Horizontal Leg Length: 13,433.80'

12) Approximate Fresh Water Strata Depths: 365'

13) Method to Determine Fresh Water Depths: Salinity profile calculated from logs on pad.

14) Approximate Saltwater Depths: 1467' salinity profile

15) Approximate Coal Seam Depths: 1390'

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of

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: _____

WW-6B
(04/15)

API NO. 47- 103 -
OPERATOR WELL NO. Constance Taylor Wtz 601H
Well Pad Name: Constance Taylor Wtz

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#	415'	415'	472 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2890'	2890'	1184 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	21,884'	21,884'	Tail 3846sx/ 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	Interm	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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Handwritten signature and date: 07/26/26

WW-6B
(10/14)

API NO. 47- 103 -

OPERATOR WELL NO. Constance Taylor WTTZ 601HWell Pad Name: Constance Taylor WTTZ

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): 18.7222) Area to be disturbed for well pad only, less access road (acres): 8.99

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.

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

See Attachment ***

25) Proposed borehole conditioning procedures:

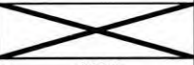
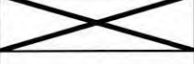
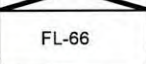
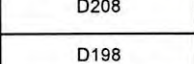
All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

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*Note: Attach additional sheets as needed.

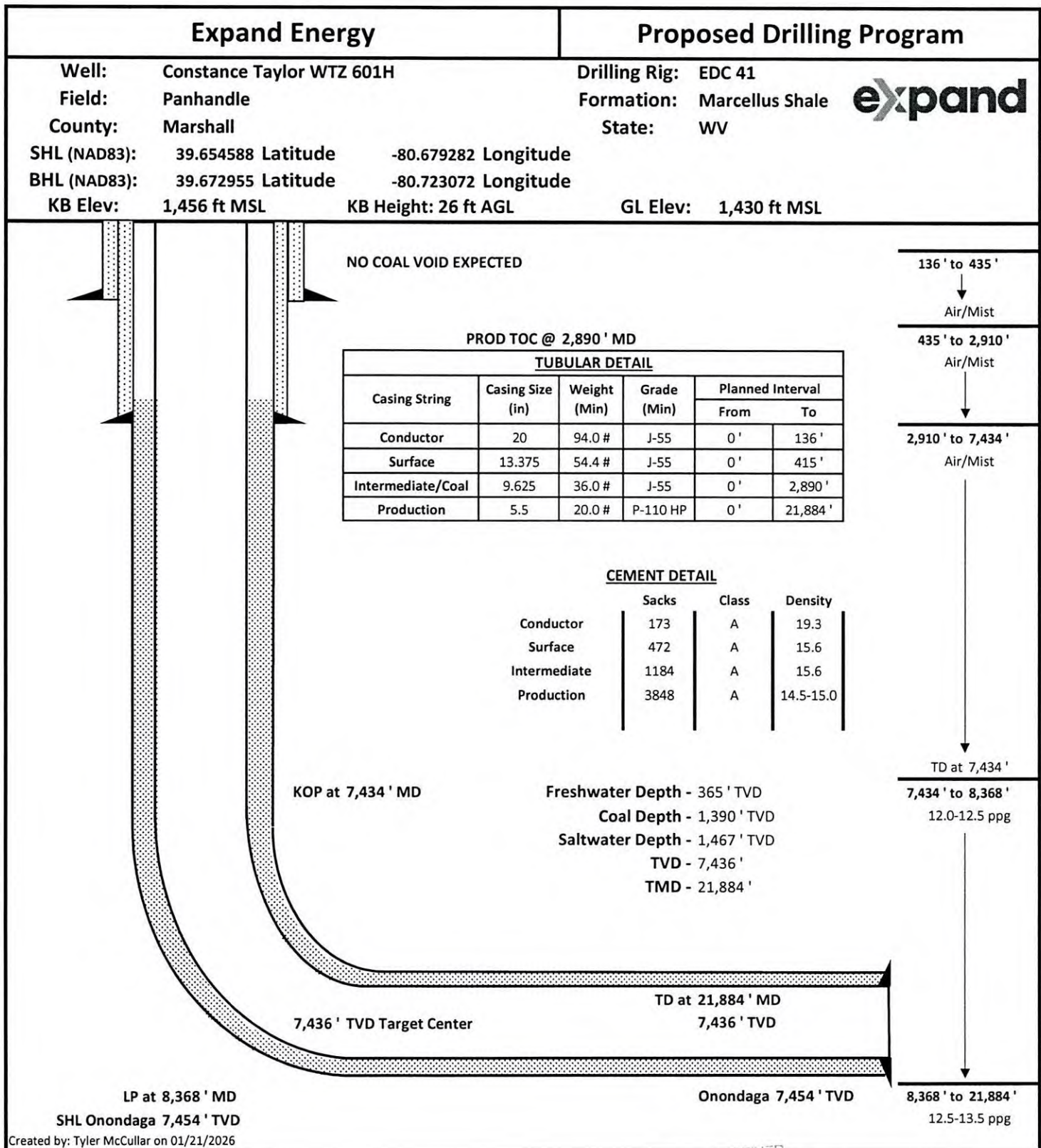
CEMENT ADDITIVES						
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER) up to 3%		INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION up to 3%		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		LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
		INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet			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			CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
		55-IIW	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	D047	FP 28L		LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
			OX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
			CJ540	HP FLUID LOSS ADDITIVE	ALIPHATICAMIDE POLYMER	PROPRIETARY
	0255			MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
			CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
		FL-66	0501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETARY
		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301		VISCOFIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETARY
	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1
	D065			DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
	D800			CEMENT RETARDER (Mid-Temperature)	SODIUM LIGNOSULFONATE	8061-51-6

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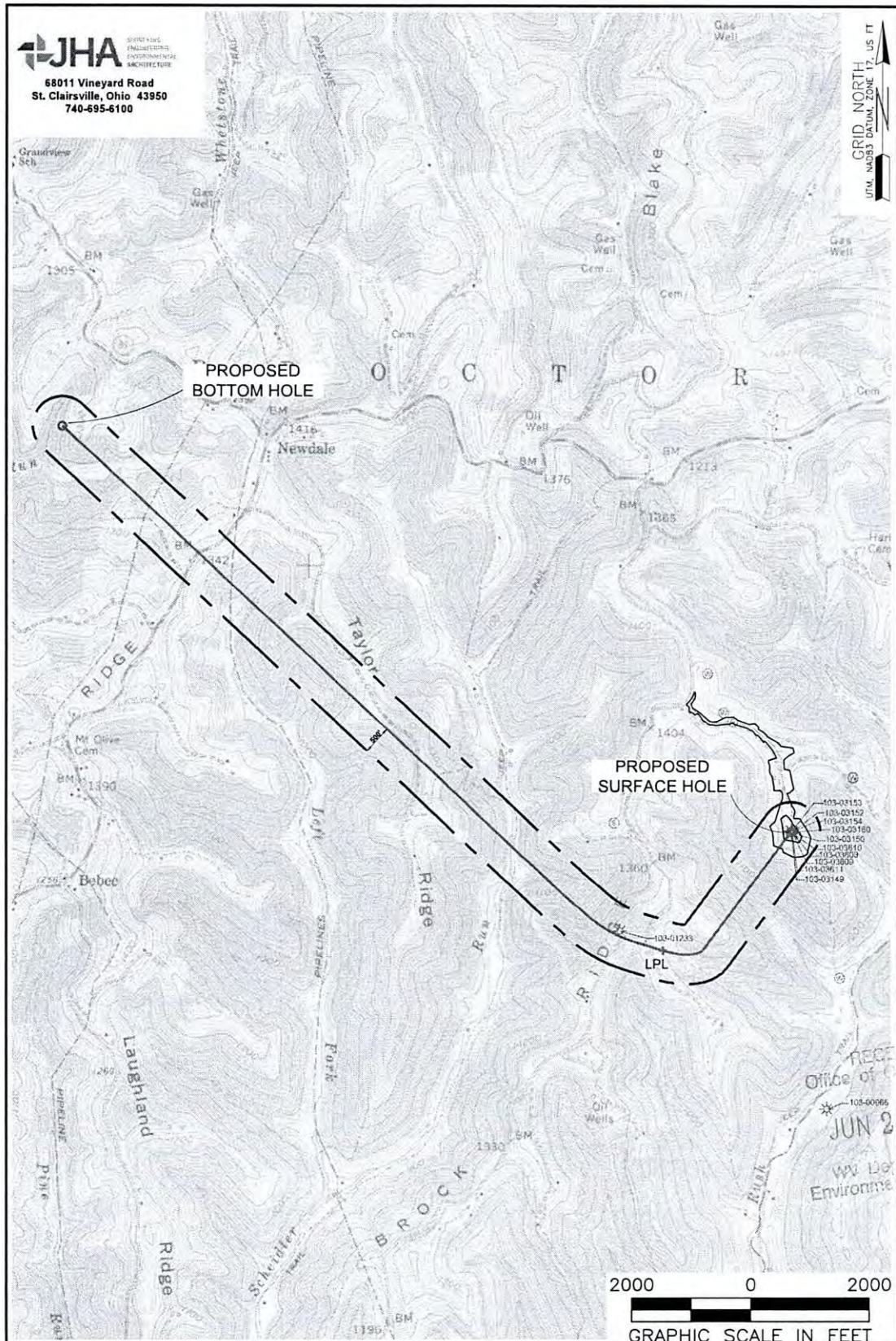


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Constance Taylor WTZ 610H AOR

API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
47-103-03149	EXPAND OPERATING LLC	ACTIVE	39.654652	-80.679254	7417'	MARCELLUS	
47-103-03150	EXPAND OPERATING LLC	ACTIVE	39.654526	-80.679223	7433'	MARCELLUS	
47-103-03352	EXPAND OPERATING LLC	ACTIVE	39.654590	-80.679195	7431'	MARCELLUS	
47-103-03353	EXPAND OPERATING LLC	ACTIVE	39.654621	-80.679225	7425'	MARCELLUS	
47-103-03354	EXPAND OPERATING LLC	ACTIVE	39.654558	-80.679166	7413'	MARCELLUS	
47-103-03360	EXPAND OPERATING LLC	ACTIVE	39.654536	-80.679145	7423'	MARCELLUS	
47-103-03608	EXPAND OPERATING LLC	ACTIVE	39.654490	-80.679185	7554'	MARCELLUS	
47-103-03609	EXPAND OPERATING LLC	ACTIVE	39.654467	-80.679164	7559'	MARCELLUS	
47-103-03610	EXPAND OPERATING LLC	ACTIVE	39.654512	-80.679206	7549'	MARCELLUS	
47-103-03611	EXPAND OPERATING LLC	ACTIVE	39.654445	-80.679143	7570'	MARCELLUS	
47-103-01233	HADDAD AND BROOKS, INC.	PLUGGED	39.649846	-80.689400	4162'	WARREN	

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NOTES ON SURVEY

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

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ✱ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- FLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR:

EXPAND OPERATING LLC

ADDRESS:

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

SURFACE OWNER:

CONSTANCE A. TAYLOR

WELL (FARM) NAME:

CONSTANCE TAYLOR WTZ

COUNTY:

WETZEL

USGS 7 1/2 QUADRANGLE MAP NAME:

WILEYVILLE, WV

WELL

601H

SERIAL

XXXX

DISTRICT:

PROCTOR

API

47-103-XXXX

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WW-9
(4/16)API Number 47 - 103 - _____
Operator's Well No. Constance Taylor WTZ 601HSTATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Expand Operating LLC OP Code 494533012Watershed (HUC 10) Upper Ohio South Quadrangle WileyvilleDo 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)

Will closed loop system be used? If so, describe: Yes- See Attachment 3ADrilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air drill to KOP, fluid drill with SOBM from KOP to TD-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil BaseAdditives to be used in drilling medium? Attachment 3BDrill 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 1021Apex 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 WoodyCompany Official (Typed Name) Brittany WoodyCompany Official Title Senior Regulatory AnalystRECEIVED
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JUN 26 2026

WV Department of
Environmental ProtectionSubscribed and sworn before me this 11 day of January, 20 26Elizabeth Blankenship

Notary Public

My commission expires 6/23/2029

Form WW-9

Operator's Well No. Constance Taylor WTZ 601H**Expand Operating LLC**Proposed Revegetation Treatment: Acres Disturbed 18.72 Prevegetation pH _____Lime as determined by pH test min. 2 Tons/acre or to correct to pH 8.99Fertilizer type 10-20-20Fertilizer amount 600/500 lbs/acreMulch Hay/Straw Tons/acre**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: 

Comments: _____

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Environmental ProtectionTitle: Oil & Gas InspectorDate: 2/17/26

Field Reviewed? () Yes

() No

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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

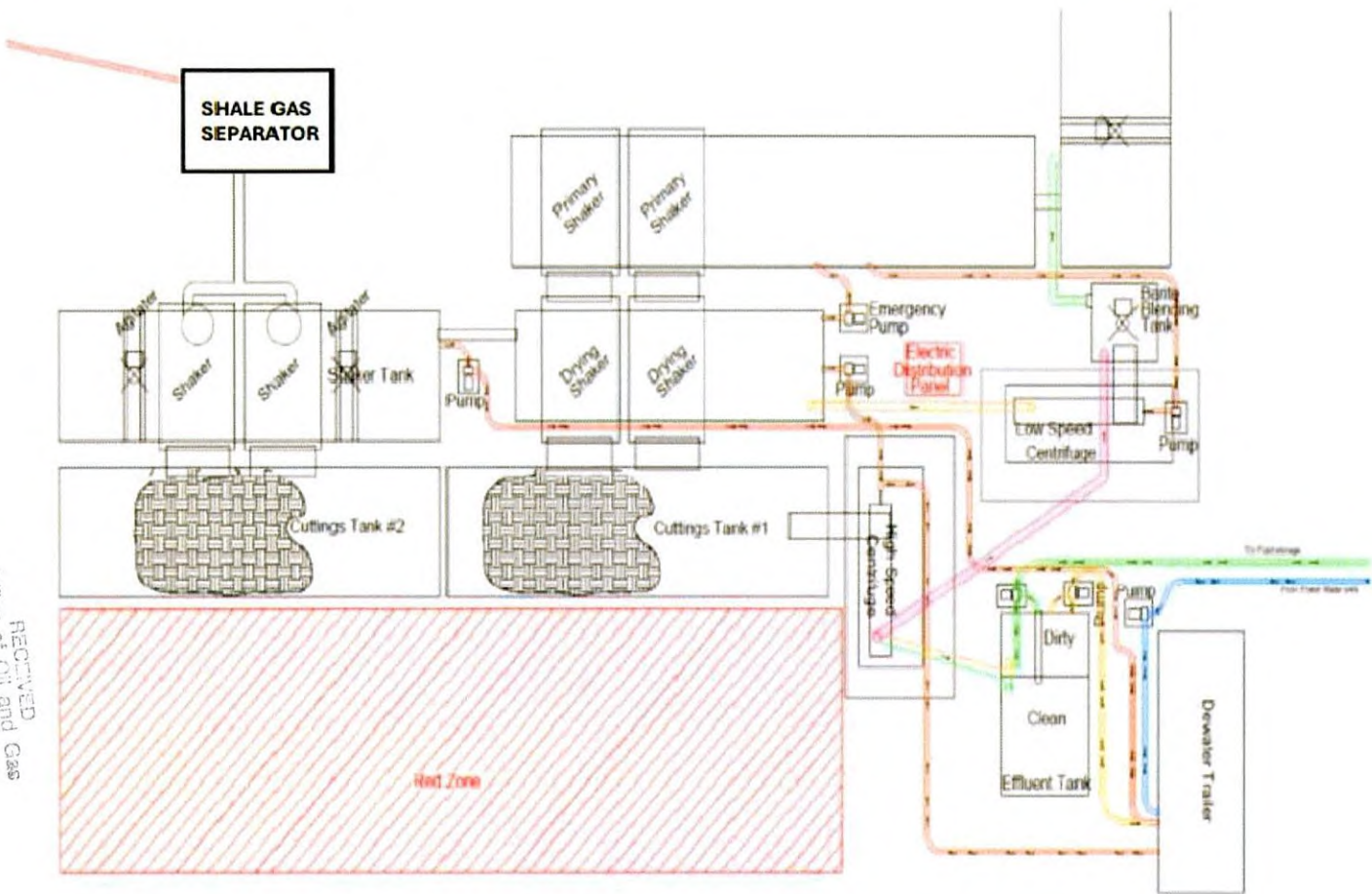
During air drilling operations, flow from the rig will pass down the flowline to the Shale Gas Separator where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. 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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Drilling Mediums

Surface/Coal (if present)/Freshwater Intervals

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present)

Air

Freshwater (if needed based on conditions)

Brine (if needed, base fluid for mud systems)

Production Hole:

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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Attachment 3C



WVD Seeding Specification

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

NON-ORGANIC PROPERTIES

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

SOIL AMENDMENTS

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

Seeding Calculation Information:

1452' of 30' ROW/LOD is One Acre
871' of 50' ROW/LOD is One Acre
622' of 70' ROW/LOD is One Acre

Synopsis:

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

Special Considerations:

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

ORGANIC PROPERTIES

Seed Mixture: Expand Production Organic Mix	Expand Supplied	
Organic Timothy	50%	RECEIVED Office of Oil and Gas JUN 26 2024 WV Department of Environmental Protection
Organic Red or White Clover	50%	
OR		
Organic Perennial Ryegrass	50%	
Organic Red or White Clover	50%	
Apply @ 100lbs per acre April 16th- Oct. 14th		Apply @ 200lbs per acre Oct. 15th- April 15th
Organic Fertilizer @ 200lbs per Acre		Pelletized Lime @ 2 Tons per Acre

WETLANDS (delineated as jurisdictional wetlands)

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

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: Constance Taylor WTZ 601H
Wileyville QUAD
Proctor DISTRICT
WETZEL COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Brittany Woody

Date: 1/6/2026

Title: Senior Regulatory Analyst

Expand Energy

Approved by:

Name: _____

Date: _____

Title: _____

Approved by:

Name: *SMC*

Date: 2/17/26

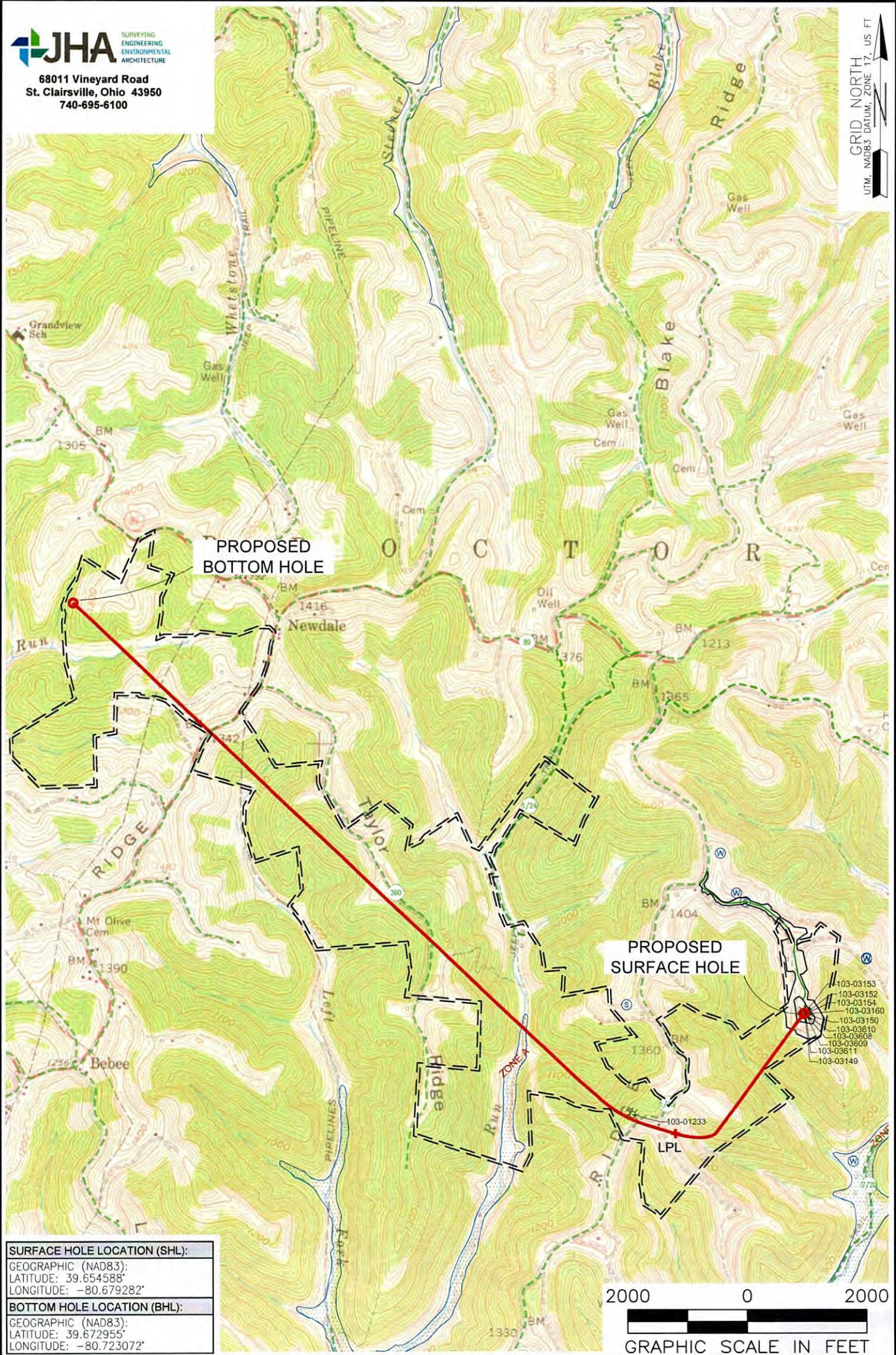
Title: WV Oil & Gas Inspector

Expand Energy – CONFIDENTIAL

07/31/2026

JHA SURVEYING
ENGINEERING
ENVIRONMENTAL
ARCHITECTURE
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.654588°
LONGITUDE: -80.679282°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.672955°
LONGITUDE: -80.723072°

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

- LEGEND:**
- PROPOSED SURFACE HOLE / BOTTOM HOLE
 - EXISTING / PRODUCING WELLHEAD
 - LPL LANDING POINT LOCATION
 - FLOOD PLAIN
 - NATURAL WATERWAY
 - ACCESS ROAD
 - PUBLIC ROAD
 - ACCESS ROAD TO PREV. SITE
 - LEASE BOUNDARY
 - PROPOSED PATH

WELL OPERATOR: EXPAND OPERATING LLC	WELL (FARM) NAME: CONSTANCE TAYLOR WTZ	WELL # 601H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: WETZEL	CODE: 103	DISTRICT: PROCTOR
SURFACE OWNER: CONSTANCE A. TAYLOR	USGS 7 1/2 QUADRANGLE MAP NAME: WILEYVILLE, WV	API # 47-103-XXXX	

LATITUDE: 39°40'00" SURFACE HOLE (2000' SCALE)

3562'

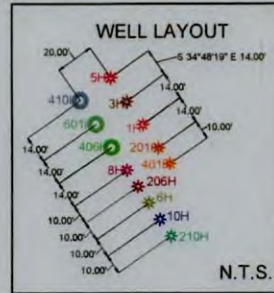
LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE)

4146'

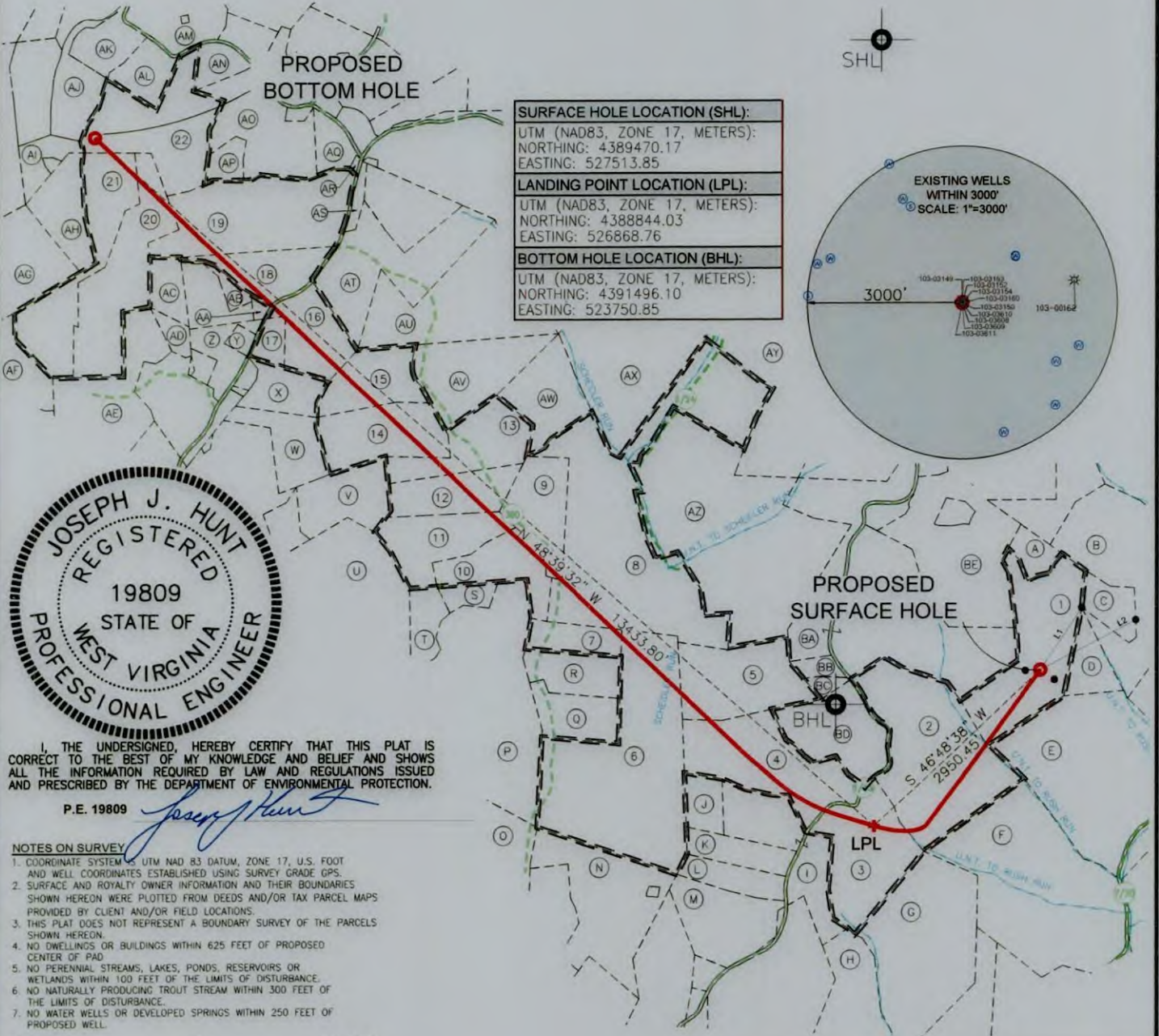


68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

LINE	BEARING	DISTANCE
L1	N33°38'28"E	962.48'
L2	N62°25'21"E	1389.91'



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



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

P.E. 19809

NOTES ON SURVEY

- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

2000 0 2000



GRAPHIC SCALE IN FEET

COMPANY:

expand



(+) 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)

CONSTANCE TAYLOR WTZ
OPERATOR'S WELL #: 601H
API WELL #: 47 103 03867
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☐ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☒
WATERSHED: UPPER OHIO SOUTH
DISTRICT: PROCTOR COUNTY: WETZEL
SURFACE OWNER: CONSTANCE A. TAYLOR
OIL & GAS ROYALTY OWNER: CONSTANCE A. TAYLOR
ELEVATION: 1430.1'
QUADRANGLE: WILEYVILLE, WV
ACREAGE: ±43.5
ACREAGE: ±43.5
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: 7436' TVD 21884' TMD

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

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

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL: LANDING POINT LOCATION
- EXISTING WATER WELL
- EXISTING SPRING
- NATURAL WATERWAY
- SURVEYED BOUNDARY
- LEASE BOUNDARY
- PROPOSED PATH
- PUBLIC ROAD

REVISIONS:

DATE: 01-30-2026
API NO: 47-103-XXXXX
DRAWN BY: CJT
SCALE: 1" = 2000'
DRAWING NO: 2020-557
WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	TAYLOR CONSTANCE A	12-18-05.0
TRACT	SURFACE OWNER	TAX PARCEL
2	BLAKE TYLER C	12-18-11.0
3	BLAKE TYLER C	12-18-17.0
4	CALDERWOOD DAVID R	12-18-9
5	JARRELL JEFFREY	12-18-1
6	COASTAL FOREST RESOURCES CO	12-18-8
7	MCABEE HARRY E & MICHAEL DAVID & SPEECE GARY JR	12-17-26
8	BLAKE BUSTER TERRY	12-14-30
9	MCABEE MICHAEL DAVID MCABEE HARRY E	12-14-29
10	BLAKE BUSTER & BARBARA A	12-17-13
11	BLAKE BUSTER & BARBARA A	12-14-36
12	MCABEE HARRY E & MICHAEL DAVID & SPEECE GARY JR	12-14-28
13	MCABEE HARRY E & MICHAEL DAVID & SPEECE GARY JR	12-14-19
14	MOLYNEAUX KEVIN R & JAMES L REGIS J	12-13-67
15	MOLYNEAUX KEVIN R & JAMES L REGIS J	12-13-49
16	OLSON MARY C & ROBERT JOHN	12-13-41.2
17	ANDERSON ANDREW & ALLISON	12-13-40
18	OLSON MARY C & ROBERT JOHN	12-13-41
19	OLSON MARY C & ROBERT JOHN	12-13-27
20	BURROUGH CONNIE S	12-13-38
21	BURROUGH CONNIE S	12-13-37
22	MARTIN CAROL	12-13-15.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	TAYLOR CONSTANCE A	12-14-33.0
B	BECKER ERICK D & PHYLLIS	12-18-07.0
C	BECKER ERICK D & PHYLLIS M	12-18-07.1
D	BECKER ERICK D & PHYLLIS M	12-18-06.0
E	WELLS TIMOTHY N & STEPHANIE A	12-18-12.0
F	WELLS TIMOTHY N & STEPHANIE A	12-18-18.0
G	STRICKLINE R W & VIOLA	12-18-23
H	POSTLETHWAIT DONALD	12-18-27
I	FURBEE SAMUEL HRS	12-18-16
J	NORRIS PATRICK	12-18-13
K	FURBEE SAMUEL HRS	12-18-14
L	HENDERSON JOLENE ETAL	12-18-15
M	FURBEE SAMUEL HRS	12-18-22
N	INGRAM CLARA K	12-18-21
O	COASTAL FOREST RESOURCES CO	12-17-35
P	COASTAL FOREST RESOURCES CO	12-17-25
Q	WSD PROPERTIES LLC	12-17-28
R	WSD PROPERTIES LLC	12-17-27
S	BLAKE BUSTER & BARBARA A	12-17-12
T	COASTAL FOREST RESOURCES CO	12-17-24
U	WALTON CATHERINE C	12-17-11
V	MCDOWELL CATHERINE	12-13-69
W	JEFFERS RANDY T	12-13-66
X	BLAKE BRENT A	12-13-48
Y	BEATY JUSTEN	12-13-40.1
Z	DURIG WESLEY EUGENE	12-13-40.3
AA	BLAKE ROBERT L & RHONDA E	12-13-41.1
AB	BLAKE ROBERT L & RHONDA E	12-13-41.4
AC	GODDARD JAMES K	12-13-39.2
AD	DURIG WESLEY E & DEBORAH R	12-13-39
AE	MCGEE JOHN L II & OPAL R	12-13-39.3
AF	ABEL DONALD & SHERRY	12-13-47
AG	MASON GENELDA M ETAL	12-13-36
AH	GODDARD TODD E	12-13-26
AI	GODDARD TODD E	12-13-15.5
AJ	GODDARD TODD E	12-13-15.7
AK	GODDARD WAYNE EDWARD	12-13-15
AL	DPL ENTERPRISES LLC	12-13-15.3
AM	STILLION CLYDE V & LISA K	12-13-9
AN	HOHMAN JOSEPH	12-13-71
AO	GODDARD DWAYNE FREDERICK	12-13-16
AP	GODDARD DWAYNE FRED	12-13-16.4
AQ	SWN PRODUCTION COMPANY LLC	12-13-16.3
AR	UNKNOWN	
AS	TAYLOR JAMES S	12-13-28
AT	OLSON MARY C & ROBERT JOHN	12-13-42
AU	OLSON MARY C & ROBERT JOHN	12-14-17
AV	MCABEE HARRY E & MICHAEL DAVID & SPEECE GARY JR	12-14-18
AW	SPEECE GARY E JR	12-14-20
AX	BLAKE BUSTER	12-14-12.1
AY	HARTMAN JOHN	12-14-21.1
AZ	BLAKE KIP MARTIN & SANDRA K	12-14-31
BA	BLAKE KIP MARTIN & SANDRA K	12-18-4.1
BB	POSTLETHWAIT DAVID F & ROSANNE	12-18-3
BC	NORRIS PATRICK	12-18-2
BD	BLAKE TYLER C	12-18-10
BE	BLAKE RYAN ETAL	12-14-32.3

07/31/2026

REVISIONS:	COMPANY: 		
	OPERATOR'S CONSTANCE TAYLOR WTZ		DATE: 01-30-2026
	WELL #: 47-103-03867 601H		API NO: 47-103-XXXXX
			DRAWN BY: CJT
	DISTRICT: PROCTOR	COUNTY: WETZEL	SCALE: N/A
		STATE: WV	DRAWING NO: 2020-557
			WELL LOCATION PLAT

WW-6A1
(5/13)

Operator's Well No. Constance Taylor WTZ 601H

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

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

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

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

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

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

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

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

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

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

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

Well Operator: Expand Operating LLC
By: Tim Ledet
Its: Sr. Staff Landman

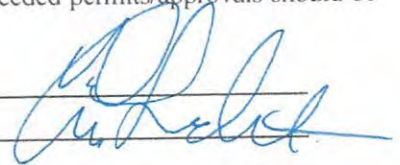


EXHIBIT "A"

Constance Taylor WTZ 601H
Wetzel 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

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by Expand
1	12-18-5	Debra Keesee, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	132A/456	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Harold H. Blake and Donna M. Blake, H/W	Haddad And Brooks, Inc.	at least 1/8th per WV Code §22-6-8	79A/452	
		Haddad and Brooks, Inc.	Chesapeake Appalachia, L.L.C.		104A/230	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joan Sauro, A/K/A Joany Sauro, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	153A/480	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
2	12-18-11	Leonard Dunham, A/K/A Leonard Sidney Dunham, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	130A/951	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Tammy Kemnetz, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	130A/706	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Terry Lee VanDyne and Sandy VanDyne, his wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	239A/332	0.00%
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Kenneth VanDyne, a/k/a Kenneth Eugene VanDyne, and Vicky A. VanDyne, a/k/a Vicky Ann VanDyne, husband and wife	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	173A/679	
		Antero Resources Corporation	SWN Production Company, LLC and Equinor		250A/681	
3	12-18-17	SWN Production Company, LLC	USA Onshore Properties		248A/897	
		Robert Dale VanDyne, a/k/a Robert VanDyne, single, by his Attorney-in-Fact, Kenneth E. VanDyne	Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	162/659	
		Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC		112A/961	
		SWN Production Company, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Garnet Gas Corporation	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	206A/664	0.00%
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Jolene Henderson, married dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	342A/617	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
4	p/o 12-18-9	Jeffrey Michael Yates	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/797	16.38%
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Eric R. Yates	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/797	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		James A Dunham, Unknown Heirs and/ or Assigns	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/797	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Julianne Mair Lucci-Hensley	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/797	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Charles Jerome Twardoski, Unknown Heirs and/or Assigns	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/797	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		David Caldwell, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	261A/105	0.00%
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Ridgetop Capital II, LP	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	263A/499	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Martha M. Hasselbach	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	293A/546	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Wanda Lee Foust	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	293A/551	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
5	p/o 12-18-1	Bruce D. Maxwell	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	295A/694	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Christine Maxwell	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	295A/689	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Shelley Dunham Trein, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	406A/931	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Virginia Ann Dunham McElhinney, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	406A/937	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
6	12-18-8	Emma L. Moore, married dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	343A/735	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		William F. Gatten, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	353A/408	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Elizabeth P. Orner, widow	Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	441A/400	0.00%
		Piney Holdings, Inc.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	197A/210	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Royalty Owners	N/A	N/A	N/A	0.12%
		Richard T. Howell	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	1.45%
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
6	12-18-8	Patrick Lawrence Dopler,	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
		c/o Riley D. Dopler, POA	Expand Appalachia LLC		162/659	
		SWN Production Company, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
6	12-18-8	Kathryn Ethel Jean Dopler Elverum	Expand Appalachia LLC		162/659	
			SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	

EXHIBIT "A"

Constance Taylor WIZ 601H
Wetzel 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

SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Sandra Lynn Mahaffey	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Linda Darlene Guillems Mason	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Thomas Tyler Mason	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Lindsay Kay Mason Howell	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Patricia Ann Mason Dotson	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Melanie Sue Mason Bradley	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Amy Jo Mason Stanley	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Alan Edmond Lasocha, Unknown Heirs and/or Assigns	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Glenda Kay Wright Pina, Unknown Heirs and/or Assigns	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Christopher Suitor	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Jodi Gahr	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Travis Hunter	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Janet Louise Poland	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Mildred M. Pegg, Unknown Heirs and/or Assigns	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	428A/794	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Elizabeth P. Orner, a/k/a Elizabeth Orner, a widow	Pikewood Energy Corporation	at least 1/8th per WV Code §22-6-8	261A/801	0.00%
Pikewood Energy Corporation	SWN Production Company, LLC		277A/29	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Thomas K. Mason, married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/845	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Sondra Sue Grimes, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	337A/207	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Stone Hill Minerals Holdings, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	387A/227	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Jeri H. Dopler, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	354A/483	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Anne Marie Woolsey, f/k/a Ann Marie Dopler, married dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	353A/432	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Lesa Ann Deiman, f/k/a Lesa Ann Alexander, married dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	353A/426	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
David H. Mason, married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/833	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Cheryl Ann Rose, f/k/a Cheryl Ann Haver, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/809	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Jeffrey L. Mason, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	352A/268	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Susan Todd Wright, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	418A/497	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Laura L. Marcus, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	379A/724	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
James Kevin Mills, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	412A/135	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Howard Floyd Mason, Jr., married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/851	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Gregory A. Mason, married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/815	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Carolyn Claudine Poland, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	383A/730	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Seth Ryan Poland, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/803	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Sara Stein, f/k/a Sara Poland, a/k/a Sara Poland Stein, married dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	380A/797	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Rick A. Poland, married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	383A/678	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Leonard W. Klusty, widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	359A/201	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Vicki L. Woodard, f/k/a Vicki L. Mason, married dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	353A/160	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
John W. Pegg, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	353A/166	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	
Lia Marie Pegg Hasler, married	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	367A/198	
SWN Production Company, LLC	Expand Appalachia LLC		162/659	

[illegible]

EXHIBIT "A"

Constance Taylor WTZ 601H
Wetzel 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

		Timothy Wilcox	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	293A/497	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Timothy Reger Long	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	351A/699	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Ridgetop Appalachia, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	260A/504	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Barbara Wojcik, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	281A/501	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Germany Properties, LTD, a Texas Limited Partnership, by Joan Germany, Managing Member	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	267A/635	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		John D. Gourley, a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	267A/638	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Laura Hall and Robert H. Hall, wife and husband	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	262A/673	
		TH Exploration, LLC	EQT TGH Exploration LLC		154/899	
		EQT TGH Exploration LLC	Expand Appalachia LLC and Equinor USA Onshore Properties Inc.		443A/538	
		Ojeda AD4, LLC, a Texas Limited Liability Company	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	290A/182	
		TH Exploration, LLC	EQT TGH Exploration LLC		154/899	
		EQT TGH Exploration LLC	Expand Appalachia LLC and Equinor USA Onshore Properties Inc.		443A/538	
		Deborah Miller	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	311A/324	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		David Carl Furbee	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	286A/664	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Five Star Resources	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	282A/451	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Master Mineral Holdings I, L.P., a Texas limited partnership, by and through its general partner, PBEX Resources, LLC, a Texas limited liability company, by Charles W. Perry, Manager	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	266A/167	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
12	12-14-28	Marga Furbee, a widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/88	0.00%
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Karen L. Love, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/493	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Mark Alan Slaten, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/566	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Steven W. Slaten, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/630	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		David Furbee, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	98A/784	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Sharon A. McKinney, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/207	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Jeffrey S. McKinney and Tamara M. McKinney, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/210	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Laura Hall and Robert H. Hall, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/456	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Deborah Kutis, a/k/a Deborah Kutis Miller, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/654	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joann Brooks, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/657	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Susan White, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/107	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Donna Lee Machleit, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	101A/57	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Barbara A. Wojcik and David S. Wojcik, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	101A/321	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
13	12-14-19	Karen L. Love, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/623	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Mark Alan Slaten, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/582	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joann Brooks, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	103A/565	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		David Furbee, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/73	

EXHIBIT "A"

Constance Taylor WTZ 601H
Wetzel 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

		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Marga Furbie, a widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/19	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Sharon A. McKinney, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/253	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Germany Properties, LTD	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	205A/192	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Jeffrey S. McKinney and Tamara M. McKinney, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/256	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		John D. Gourley, a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	203A/18	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Laura Hall and Robert H. Hall, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/453	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Donna Lee Machleit, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	101A/66	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Deborah Kutis Miller, a/k/a Deborah Kutis, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	104A/653	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Steven W. Slaten, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/579	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Susan White, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	103A/623	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Barbara A. Wojcik and David S. Wojcik, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	101A/63	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
14	p/a 12-13-67	Royalty Owners	N/A	N/A	N/A	10.00%
		Ridgetop Appalachia, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	260A/514	0.00%
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		David Carl Furbie	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	286A/664	
		Antero Resources Corporation	SWN Production Company, LLC		400A/97	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Mark A. Slaten, a divorced man	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	273A/352	
		TH Exploration, LLC	EQT TGH Exploration LLC		154/899	
		EQT TGH Exploration LLC	Expand Appalachia LLC and Equinor USA		443A/538	
		Laura Hall and Robert H. Hall, wife and husband	Onshore Properties Inc.		272A/931	
		TH Exploration, LLC	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	154/899	
		EQT TGH Exploration LLC	EQT TGH Exploration LLC		443A/538	
		Ojeda AD4, LLC, a Texas Limited Liability Company	Expand Appalachia LLC and Equinor USA		290A/182	
		TH Exploration, LLC	Onshore Properties Inc.	at least 1/8th per WV Code §22-6-8	154/899	
		EQT TGH Exploration LLC	TH Exploration, LLC		443A/538	
		Steven Slaten and Rhonda Slaten, husband and wife	EQT TGH Exploration LLC	at least 1/8th per WV Code §22-6-8	271A/522	
		TH Exploration, LLC	Expand Appalachia LLC and Equinor USA		154/899	
		EQT TGH Exploration LLC	Onshore Properties Inc.		443A/538	
		Karen Love Drake and Jeff Drake, wife and husband	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	271A/524	
		TH Exploration, LLC	EQT TGH Exploration LLC		154/899	
		EQT TGH Exploration LLC	Expand Appalachia LLC and Equinor USA		443A/538	
		Arbala AD3, LLC a Texas Limited Liability Company	Onshore Properties Inc.	at least 1/8th per WV Code §22-6-8	290A/176	
		TH Exploration, LLC	TH Exploration, LLC		154/899	
		EQT TGH Exploration LLC	EQT TGH Exploration LLC		443A/538	
		Jeffrey S. McKinney and Tamara M. McKinney, husband and wife	Expand Appalachia LLC and Equinor USA	at least 1/8th per WV Code §22-6-8	290A/179	
		TH Exploration, LLC	Onshore Properties Inc.		154/899	
		EQT TGH Exploration LLC	EQT TGH Exploration LLC		443A/538	
		Barbara A. Wojcik	Expand Appalachia LLC and Equinor USA	at least 1/8th per WV Code §22-6-8	304A/751	
		Antero Resources Corporation	Onshore Properties Inc.		400A/97	
		SWN Production Company, LLC	SWN Production Company, LLC		162/659	
		Deborah Miller	Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	311A/324	
		Antero Resources Corporation	Antero Resources Corporation		400A/97	
		SWN Production Company, LLC	SWN Production Company, LLC		162/659	
		Julie Shaffer	Expand Appalachia LLC	at least 1/8th per WV Code §22-6-8	315A/358	
		TH Exploration, LLC	TH Exploration, LLC		154/899	
		EQT TGH Exploration LLC	EQT TGH Exploration LLC		443A/538	
			Expand Appalachia LLC and Equinor USA			
			Onshore Properties Inc.			
15	12-13-49	Marga Furbie, a widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	98A/193	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Jeffrey S. McKinney, a/k/a Jeffrey McKinney and Tamara M. McKinney, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/879	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	

EXHIBIT "A"

Constance Taylor WTZ 601H
Wetzel 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

		Sharon A. McKinney, a/k/a Sharon McKinney Ertle, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/840	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Recon Resources, LLC, d/b/a Recon Royalties	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	182A/875	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Mark Alan Slaten, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/702	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Karen L. Love, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/614	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Donna Lee Machleit, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	102A/495	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Barbara A. Wojcik and David S. Wojcik, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	102A/498	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Steven W. Slaten, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	100A/713	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joann Brooks, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	98A/735	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		David Furbie, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	98A/196	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Laura Hall and Robert H. Hall, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/459	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Deborah Kutis Miller, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	98A/738	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Susan White, a single woman	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	99A/76	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		157A/540	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
16	12-13-41.2	Royalty Owners	N/A	N/A	N/A	38.14%
		Dale Ann Badowski, widow	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	200A/441	0.00%
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Bruce E. Bailey, Jr., married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	204A/637	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Gregory T. Cooper, a married man dealing in his sole and separate property	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	200A/427	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Gerald H. Cooper, a single man	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/812	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Elizabeth Hartle, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	203A/197	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Nancy S. Holmstrom and Gerald M. Holmstrom, wife and husband	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/806	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joan V. Lawrence, a single woman	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	200A/439	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Robert Neil Lohr, widower	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/810	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Rohn Jean Martin, f/k/a Rohn Jean Blair, f/k/a Rohn Jean Blair Bowers, f/k/a Rohn J. Bowers, widow	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/808	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Charles V. Manker, acting as Trustee for the Charles V. Manker Revocable Living Trust, an Ohio Trust	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	211A/856	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Melissa Painter, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	203A/855	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
17	12-13-40	Royalty Owners	N/A	N/A	N/A	33.14%
		Paul M. Buck and Carol Buck, husband and wife	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	264A/726	0.00%
		TH Exploration, LLC	EQT TGH Exploration LLC		154/899	
		EQT TGH Exploration LLC	Expand Appalachia LLC and Equinor USA Onshore Properties Inc.		443A/538	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Dale Ann Badowski, widow	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	200A/441	0.00%
18	12-13-41					

EXHIBIT "A"

Constance Taylor WTZ 601H
Wetzel 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

		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Bruce E. Bailey, Jr., married dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	204A/637	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Gregory T. Cooper, a married man dealing in his sole and separate property	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	200A/427	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Gerald H. Cooper, a single man	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/812	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Elizabeth Hartle, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	203A/197	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Nancy S. Holmstrom and Gerald M. Holmstrom, wife and husband	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/806	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joan V. Lawrence, a single woman	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	200A/439	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Robert Neil Lohr, widower	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/810	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Rohn Jean Martin, f/k/a Rohn Jean Blair, f/k/a Rohn Jean Blair Bowers, f/k/a Rohn J. Bowers, widow	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	238A/808	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Charles V. Manker, acting as Trustee for the Charles V. Manker Revocable Living Trust, an Ohio Trust	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	211A/856	
		TH Exploration, LLC	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		248A/790	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Melissa Painter, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	201A/47	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
19	12-13-27	Nancy Holmstrom And Gerald M. Holmstrom	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	209A/657	0.00%
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Joan Lawrence	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	209A/872	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Charles V. Manker Revocable Living Trust, By Charles V. Manker, Trustee	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	201A/884	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Rohn Jean Martin, A Widow	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	171A/119	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Dale Ann Badowski, A Widow	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	171A/112	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Gregory T. Cooper, a married man dealing in his sole and separate property	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	171A/490	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Gerald H. Cooper, A Married Man Dealinh In His Sole And Separate Property	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	171A/488	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Robert N. Lohr & Martha Lohr, his wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	240A/1	
		SWN Production Company, LLC	Expand Appalachia LLC		162/659	
		Melissa Painter, f/k/a Melissa Jan Bailey, and Shaun Painter, wife and husband	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	195A/729	
		Antero Resources Corporation	EQT Production Company		231A/22	
		EQT Production Company	SWN Production Company, LLC and Equinor USA Onshore Properties Inc.		240A/54	

EXHIBIT "A"

Constance Taylor WTZ 601H
Wetzel 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

		SWN Production Company, LLC	Expand Appalachia LLC		162/659
		Elizabeth A. Hartle And Matthew R. Hartle, Wife And Husband	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	197A/370
		Antero Resources Corporation	EQT Production Company		231A/22
		EQT Production Company	SWN Production Company, LLC and Equinor		240A/54
			USA Onshore Properties Inc.		
		SWN Production Company, LLC	Expand Appalachia LLC		162/659
		Bruce Edward Bailey, Jr., A/K/A Bruce Bailey	Antero Resources Corporation	at least 1/8th per WV Code §22-6-8	197A/784
		Antero Resources Corporation	EQT Production Company		231A/22
		EQT Production Company	SWN Production Company, LLC and Equinor		240A/54
			USA Onshore Properties Inc.		
		SWN Production Company, LLC	Expand Appalachia LLC		162/659
20	12-13-38	Royalty Owners	N/A	N/A	N/A
21	12-13-37	Royalty Owners	N/A	N/A	N/A
22	12-13-15.4	Bounty Minerals, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	239A/754
		SWN Production Company, LLC	Expand Appalachia LLC		162/659
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					
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.					
End of Exhibit "A"					



Click here to enter text.

June 18, 2026

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

RE: Expand's proposed New Well: Constance Taylor WTZ 601H in Wetzel County, West Virginia, Drilling under Brock Ridge Road, Sports Ridge Road and Doolin Run Road.

Dear Mr. Brewer:

Expand Operating LLC ("Expand") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to Expand's right to drill under Brock Ridge Road, Sports Ridge Road and Doolin Run Road. Please be advised that Expand has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Tim Ledet".

Tim Ledet
Sr. Staff Landman
Expand Operating LLC

Expand Energy Corporation

Insert street address / Insert city, state, zip

Insert office phone / m: Insert mobile phone / Insert email address

07/31/2026

WW-6AC
(1/12)

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

Date of Notice Certification: 6/25

API No. 47- 103 -
Operator's Well No. Constance Taylor WTZ 601H
Well Pad Name: Constance Taylor WTZ

Notice has been given:

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>527,513.85</u>
County:	<u>103-Wetzel</u>		Northing:	<u>4,389,470.17</u>
District:	<u>Proctor</u>	Public Road Access:	<u>Brock Ridge Road</u>	
Quadrangle:	<u>Wileyville</u>	Generally used farm name:	<u>Constance Taylor WTZ</u>	
Watershed:	<u>Upper Ohio South</u>			

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

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:

*PLEASE CHECK ALL THAT APPLY

- ☐ 1. NOTICE OF SEISMIC ACTIVITY or ☒ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- ☒ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ☐ NO PLAT SURVEY WAS CONDUCTED
- ☒ 3. NOTICE OF INTENT TO DRILL or ☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or
- ☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- ☒ 4. NOTICE OF PLANNED OPERATION
- ☒ 5. PUBLIC NOTICE
- ☒ 6. NOTICE OF APPLICATION

OOG OFFICE USE ONLY

- ☐ RECEIVED/
NOT REQUIRED
- ☒ RECEIVED
- ☒ RECEIVED/
NOT REQUIRED
- ☒ RECEIVED
- ☒ RECEIVED
- ☒ RECEIVED

Required Attachments:

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

07/31/2026

WW-6AC
(1/12)

Certification of Notice is hereby given:

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

Well Operator: Expand Operating LLC

By: Brittany Woody

Its: Senior Regulatory Analyst

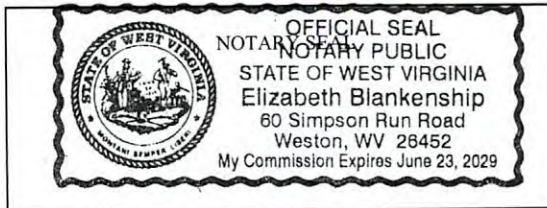
Telephone: 304-209-5688

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany.Woody@expandenergy.com



Subscribed and sworn before me this 11 day of January 2024

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.

07/31/2026

WW-6A
(9-13)

API NO. 47- 103 -
OPERATOR WELL NO. Constance Taylor Wtz 601H
Well Pad Name: Constance Taylor Wtz

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: 6/25 **Date Permit Application Filed:** 6/25
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: Constance Taylor
Address: 807 Johnson Road
New Martinsville WV 26155
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: Core Natural Resources Attn: Casey Saunders
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

☐ 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

07/31/2026

WW-6A
(8-13)

API NO. 47- 103 -
OPERATOR WELL NO. Constance Taylor WIZ 601H
Well Pad Name: Constance Taylor WIZ

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 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

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API NO. 47- 103 -
OPERATOR WELL NO. Constance Taylor WtZ 601H
Well Pad Name: Constance Taylor WtZ

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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

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(8-13)

API NO. 47- 103 -
OPERATOR WELL NO. Constance Taylor WTZ 601H
Well Pad Name: Constance Taylor WTZ

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.

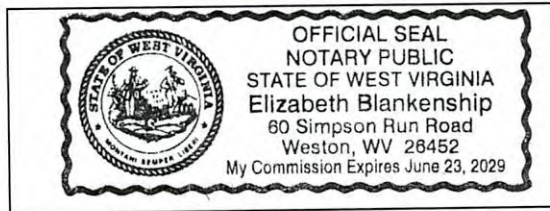
07/31/2026

WW-6A
(8-13)

API NO. 47- 103 -
OPERATOR WELL NO. Constance Taylor WTZ 601H
Well Pad Name: Constance Taylor WTZ

Notice is hereby given by:Well Operator: Expand Operating LLCTelephone: 304-209-5688Email: Brittany.Woody@expandenergy.comAddress: 1300 Fort Pierpont Dr., Suite 201Morgantown, WV 26508Facsimile: 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 depprivacyofficer@wv.gov.



Subscribed and sworn before me this 11 day of January 2024
Elizabeth Blankenship Notary Public
My Commission Expires 6/23/2029

07/31/2026

SHORT_PARCEL_ID	OWNER	OWNER_ADDRESS	OWNER_CITY	OWNER_ZIP	OWNER_STATE
12-18-7.1	BECKER ERICK D. & PHYLLIS M	1615 CENTERTON ROAD	PITTSBURGH	8318	NJ



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

ated By: Scott Dean
e Exported: 1/7/2026

expand

- 1500 ft. Buffer
- WATER WELL
- SPRING
- POND

WELL PAD:
CONSTANCE TAYLOR WTZ PAD

COUNTY:
WETZEL

0 150 300 600 900 1,200

07/31/2026 Scale: 1:5,000

WW-6A3
(1/12)Operator Well No. Constance Taylor WTZ

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: 1/5/2026 **Date of Planned Entry:** 1/12/2026

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: Constance Taylor
 Address: 807 Johnson Street
New Martinsville WV 26155

Name: _____
 Address: _____

Name: _____
 Address: _____

☒ **COAL OWNER OR LESSEE**

Name: Core Natural Resources Attn. Casey Saunders
 Address: 1000 Consol Energy Drive
Canonsburg PA 15317

☒ **MINERAL OWNER(s)**

Name: Tammy Kernetz
 Address: 3908 Riverview Drive
Wausau, WI 54403

*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: West Virginia
 County: Wetzel
 District: Proctor
 Quadrangle: Wileyville

Approx. Latitude & Longitude: 39.65465, -80.670341
 Public Road Access: Brock Ridge Road
 Watershed: Little Fishing Creek
 Generally used farm name: Constance Taylor

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 Operating LLC
 Telephone: 304-884-1610
 Email: Brittany.Woody@expandenergy.com

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
 Facsimile: 304-209-5688

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.

07/31/2026

WW-6A3
(1/12)Operator Well No. Constance Taylor WTZ

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: 1/5/2026 **Date of Planned Entry:** 1/12/2026

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

☐ **PERSONAL SERVICE** ☒ **REGISTERED MAIL** ☐ **METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION**

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Notice is hereby provided to:

☒ **SURFACE OWNER(s)**

Name: _____
 Address: _____

Name: _____
 Address: _____

Name: _____
 Address: _____

☒ **COAL OWNER OR LESSEE**

Name: _____
 Address: _____

☒ **MINERAL OWNER(s)**

Name: Joany Sauro
 Address: 1111 Eureka Trl
Longs, SC 29568

*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: West Virginia
 County: Wetzel
 District: Proctor
 Quadrangle: Wileyville

Approx. Latitude & Longitude: 39.65465, -80.679341
 Public Road Access: Brock Ridge Road
 Watershed: Little Fishing Creek
 Generally used farm name: Constance Taylor

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 Operating LLC
 Telephone: 304-884-1610
 Email: Brittany.Woody@expandenergy.com

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
 Facsimile: 304-209-5626

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07/31/2026

WW-6A3
(1/12)Operator Well No. Constance Taylor WTZ

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: 1/5/2025 **Date of Planned Entry:** 1/12/2026

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

☐ **PERSONAL SERVICE** ☒ **REGISTERED MAIL** ☐ **METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION**

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Notice is hereby provided to:

☒ **SURFACE OWNER(s)**

Name: _____
 Address: _____

Name: _____
 Address: _____

Name: _____
 Address: _____

☒ **COAL OWNER OR LESSEE**

Name: _____
 Address: _____

☒ **MINERAL OWNER(s)**

Name: Debra Keesee
 Address: 4544 Columbus Street #1211
Virginia Beach VA 23462

*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: West Virginia
 County: Wetzel
 District: Proctor
 Quadrangle: Wileyville

Approx. Latitude & Longitude: 39.65465, -80.679341
 Public Road Access: Brock Ridge Road
 Watershed: Little Fishing Creek
 Generally used farm name: Constance Taylor

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Notice is hereby given by:

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 Telephone: 304-884-1610
 Email: Brittany.Woody@expandenergy.com

Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
 Facsimile: 304-209-5688

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07/31/2026

WW-6A3
(1/12)Operator Well No. Constance Taylor Wtz

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: 1/5/2026 **Date of Planned Entry:** 1/12/2026

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

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

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Notice is hereby provided to:

☒ SURFACE OWNER(s)

Name: _____

Address: _____

Name: _____

Address: _____

Name: _____

Address: _____

☒ COAL OWNER OR LESSEE

Name: _____

Address: _____

☒ MINERAL OWNER(s)

Name: Donna M. Blake

Address: 100 Kuraki Street

Wellsburg WV 26070

*please attach additional forms if necessary

Notice is hereby given:

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County: Wetzel

District: Proctor

Quadrangle: Wileyville

Approx. Latitude & Longitude: 39.65465, -80.679341

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Watershed: Little Fishing Creek

Generally used farm name: Constance Taylor

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07/31/2026

WW-6A3
(1/12)Operator Well No. Constance Taylor Wtz

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: 1/5/2026 **Date of Planned Entry:** 1/12/2026

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: _____

Address: _____

Name: _____

Address: _____

Name: _____

Address: _____

☒ COAL OWNER OR LESSEE

Name: _____

Address: _____

☒ MINERAL OWNER(s)

Name: MM-Marcellus- HBP 1, LP

Address: PO Box 10886

Midland TX 79702

*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: West Virginia

County: Wetzel

District: Proctor

Quadrangle: Wilayville

Approx. Latitude & Longitude: 39.65465, -80.679341

Public Road Access: Brock Ridge Road

Watershed: Little Fishing Creek

Generally used farm name: Constance Taylor

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 Operating LLC

Telephone: 304-884-1610

Email: Brittany.Woody@expandenergy.com

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-209-5688

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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/31/2026

WW-6A4
(1/12)Operator Well No. CONSTANCE TAYLOR WT2601

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: 3/13/26 **Date Permit Application Filed:** 4/15

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: Constance Taylor
 Address: 807 Johnson Street
New Martinsville, WV 26155

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: West Virginia
 County: Wetzel
 District: Proctor
 Quadrangle: Wileyville, WV
 Watershed: Upper Ohio South

UTM NAD 83 Easting: 527513.85
 Northing: 4389470.17
 Public Road Access: U.N.T. Rush Run
 Generally used farm name: Constance Taylor

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 Energy Company, LLC
 Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
 Telephone: (304) 209-5685
 Email: steve.pauley@expandenergy.com
 Facsimile: _____

Authorized Representative: Steven Pauley
 Address: 1300 Fort Pierpont Dr., Suite 201
Morgantown, WV 26508
 Telephone: (304) 209-5685
 Email: steve.pauley@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.

07/31/2026

WW-6A5
(1/12)Operator Well No. CONSTANCE TAYLOR WTZ

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: 3/13/26 **Date Permit Application Filed:** 4/15

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: Constance Taylor
 Address: 807 Johnson Street
New Martinsville, WV 26155

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: West Virginia
 County: Wetzel
 District: Proctor
 Quadrangle: Wileyville, WV
 Watershed: Upper Ohio South

UTM NAD 83 Easting: 527513.85
 Northing: 4389470.17
 Public Road Access: U.N.T. Rush Run
 Generally used farm name: Constance Taylor

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 Energy Company, LLC
 Telephone: (304) 209-5685
 Email: steve.pauley@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.

07/31/2026



**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

June 18, 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 Constance Taylor Well Pad, Wetzel County
Constance Taylor WTZ 406H Well Site
Constance Taylor WTZ 410H Well Site
Constance Taylor WTZ 601H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2016-0385 which has been transferred to Expand Operating, LLC for access to the State Road for a well site located off Wetzel County Route 1/15 SLS MP 3.29.

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
Expand Operating, LLC
OM, D-6
File

Attachment VI Frac Additives

Product Name	Product Use	Chemical Name	CAS Number
HCL	Solvent	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
FSTI-CI-02	Corrosion Inhibitor	2-Butoxyethanol	111-76-2
		Ethylene glycol	107-21-1
		N,N-Dimethylformamide	68-12-2
		benzyl chloridequaternized	72480-70-7
		Cinnamaldehyde	104-55-2
		Isopropyl alcohol	67-63-0
		Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)- .omega.-hydroxy-	9016-45-9
		1-Decanol	112-30-1
		1-Octanol	111-87-5
		Triethyl phosphate	78-40-0
Ferriplex 80	Iron Control	Sodium Erythorbate	6381-77-7
Tolicide 4Frac	Biocide	Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8
		Quaternary ammonium compounds	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
Plexslick 930	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Oleic Acid Diethanolamide	93-83-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Ammonium Chloride	12125-02-9
		Sodium Chloride	7647-14-5
Plexaid 655NM	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
Plexslick V996	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Sodium Chloride	7647-14-5
Plexaid 655WG	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
		Glycerin	67-56-1
Clearal 270	Biocide	Glutaraldehyde	111-30-8
		Didecyltrimethylammonium 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

07/31/2026

WW-6A7
(6-12)OPERATOR: Expand Operating LLCWELL NO: Constance Taylor WTZ 601HPAD NAME: Constance Taylor WTZ

REVIEWED BY: _____

SIGNATURE: Brittany Woody**WELL RESTRICTIONS CHECKLIST****HORIZONTAL 6A WELL****Well Restrictions******Pad Built 12/15/16**

- ☐ 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

07/31/2026