

#### 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

Monday, April 7, 2025 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for BW Edge MSH 8H

47-051-02537-00-00

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.

Operator's Well Number: BW Edge MSH 8H

Farm Name:

William F Edge, Jr. & Barbara ⋤

U.S. WELL NUMBER: 47-051-02537-00-00

Horizontal 6A New Drill

Date Issued: 4/7/2025

API Number: <u>47-051-02537</u>

#### 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.

WW-6B (04/15) API NO. 47-051 OPERATOR WELL NO. BW Edge MSH 8H
Well Pad Name: BW Edge MSH

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

Wall Operator							
) wen Operator.	SWNP	roduction (	Co., LLC	494512924	051-Mar	shal 6-Sand	674- Wheeling
- -				Operator ID	County	District	Quadrangle
2) Operator's We	ll Number	BW Edge	MSH 8H	Well F	ad Name: E	W Edge MSH	
3) Farm Name/Su	ırface Owr	1 <b>CT</b> : William F. Edge.	Jr. & Barbana Edge-Tol	Public R	oad Access:	Big Wheeling	Creek Road
l) Elevation, curr	ent ground	i: <u>1254'</u>	E	levation, propose	ed post-const	ruction: 1254'	
, , ,	a) Gas <u> </u>	×	_ Oil _	Ur	derground S	torage	
(t	b)If Gas	Shallow	x	Deep			
5) Existing Pad: Y	Yes or No	Horizontal Yes	X				
7) Proposed Targe	et Formati	on(s), Deptl					ssociated Pressure- 4330
3) Proposed Total				· •			
) Formation at T			Marcellu	 S			
		-	33777'				
(0) Proposed Total		-					-=NFD
1) Proposed Hor	rizontal Le	g Length:	26840.99	9		AE	CEIVED GRE
· •				615'		Ottice .	2 2025
2) Approximate	Fresh Wat	ter Strata De	epths:	<del></del>	Vell	Ottice C	1 7 7025
<ul><li>2) Approximate</li><li>3) Method to De</li></ul>	Fresh Wat	ter Strata De	epths:	615' Nearby Water V		Outice	1 7 7025
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WW-6B (04/15)

OPERATOR WELL NO. BW Edge MSH 8H
Well Pad Name: BW Edge MSH

#### 18)

#### **CASING AND TUBING PROGRAM**

ТҮРЕ	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#	800'	800'	921 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2059'	2059'	789 sx/CTS
Production	5 1/2"	New	P-110 HPP	20#	33777'	33777'	Tali 6452ss/ 100' Inside Intermediate
Tubing							
Liners							

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

Kind:		MAR	
Sizes:		i nviron	nental Protection
Depths Set:			

Strappe Lower

<del></del>			CEMENT A	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER)	$\backslash\!$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up to 3%	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION		INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up to 3 %	S001	A-7P	CJIIO	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	0047	FP 28L	$>\!\!<$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	$>\!\!<$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
INTERMEDIATE	CemNet	$\times$	$\times$	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
	$\searrow$	$>\!\!<$	CJIII	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	> <	55-IIW	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	DO47	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
	$\sim$		CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
PRODUCTION	> <	FL-66	0501	LOW TEMP FLUID	POWDERED POLYSACCHARIDE	PROPRIETARY
		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	> <	VISCOSI FIER/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	X	X	DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
	D800		X	CEMENT RETARDER (Mid-Temperature)	SODIUM	8061-51-6

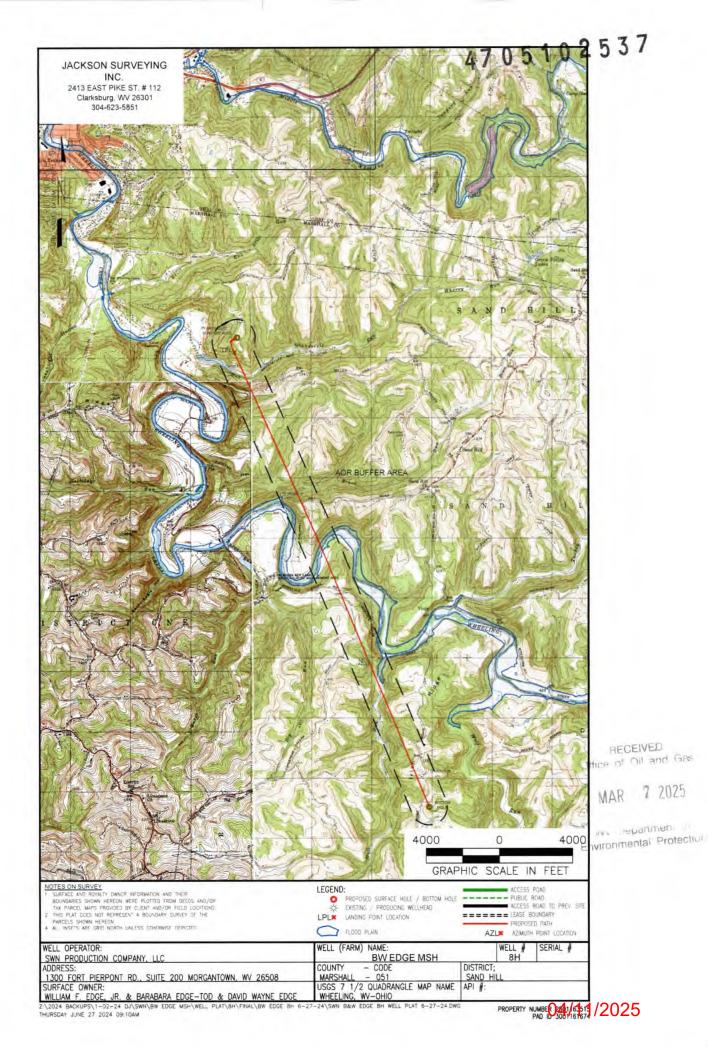
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MAR 7 2025

We Department of Front Protection

#### **Proposed Drilling Program Southwestern Energy Company** Drilling Rig: SDC 41 Well: **BW EDGE MSH 8H** Formation: Marcellus Shale Field: PANHANDLE FIELD WET State: WW Southwestern Energy County: MARSHALL SHL (NAD83): 40.006563 Latitude -80.627606 Longitude BHL (NAD83): 39.935990 Latitude -80.590907 Longitude **KB Elev:** 1,254 ft MSL 1,280 ft MSL KB Height: 26 ft AGL GL Elev: NO COAL VOID EXPECTED 136 ' to 820 ' Air/Mist PROD TOC @ 2,059 ' MD 820 ' to 2,079 Air/Mist **TUBULAR DETAIL** Planned Interval **Casing Size** Weight **Casing String** (in) (Min) (Min) To From Conductor 94.0# J-55 0' 136 2.079 ' to 5.775 ' 20 Surface/Coal 13.375 54.4 # 0' 800 ' Air/Mist J-55 2,059 Intermediate 9.625 36.0# J-55 0' Production 20.0# P-110 HP 33,777 5.5 CEMENT DETAIL Sacks Class Density Conductor 173 19.3 A/L Surface 921 15.6 Intermediate 789 A/L 15.6 Production 6452 A/L 14.5-15.0 TD at 5,775 ' KOP at 5,775 'MD Freshwater Depth - 615 'TVD 5,775 to 6,764 Coal Depth - 744 'TVD 12.0-12.5 ppg RECEIVED Office of Oil and Gas Saltwater Depth - 1,386 'TVD TVD - 6,642 ' MAR 7 2025 TMD - 33,777' Wy Department of pental Protection TD at 33,777 'MD 6,387 ' TVD Target Center 6,642 'TVD LP at 6,764 'MD Onondaga 6,662 'TVD 6,764 to 33,777 SHL Onondaga 6,407 'TVD 12.5-13.5 ppg Created by: Colin Kollker on 06/17/2024

She Course



BW Edge MSH 8H

API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
051-00559-P	Kingery Drilling	Plugged	39.983246	-80.618923	1,950'	N/A	N/A
051-90001	Unknown	***	***	***	Unknown	N/A	N/A
051-00515-P	Consolidation Coal Company	Plugged	39.941436	-80.590139	3,003'	Berea	N/A

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API Number 47 - 051

Operator's Well No. BW Edge MSH 8H

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

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC	P Code 494512924
Watershed (HUC 10) Grandstaff Run of Wheeling Creek Quadrangle Wheeling Creek	neeling
Do you anticipate using more than 5,000 bbls of water to complete the proposed well	work? Yes V 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 lef so,	what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
■ Underground Injection (UIC Permit Number Various Appr	roved Facilities
Reuse (at API Number At the next anticpiated well	)
Off Site Disposal (Supply form WW-9 for disposal location  Other (Explain recovery and solidification on site	on)
- Other (Explain	
Will closed loop system be used? If so, describe: Yes- See Attachment 3A	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, or	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 Base	
Additives to be used in drilling medium? Attachment 3B	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill	
-If left in pit and plan to solidify what medium will be used? (cement, lime,	sawdust)
-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-10 Apex Sanitary Landfill Ub-U8438, Brooke Co SWF-1U13, FMS 39 Permittee shall provide written notice to the Office of Oil and Gas of any load of drill West Virginia solid waste facility. The notice shall be provided within 24 hours of rejudence it was properly disposed.	cuttings or associated waste rejected at any
I certify that I understand and agree to the terms and conditions of the GEN on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of provisions of the permit are enforceable by law. Violations of any term or conditional or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am far application form and all attachments thereto and that, based on my inquiry of obtaining the information, I believe that the information is true, accurate, and compensation of the penalties for submitting false information, including the possibility of fine or imprison.  Company Official Signature  Brittany Woody	Environmental Protection. I understand that the on of the general permit and/or other applicable amiliar with the information submitted on this those individuals immediately responsible for mplete. I am aware that there are significant nament.  Office of Oil and 1785
Company Official Title Staff Regulatory Specialist	Wy Asparation
	Environmental Protection
Subscribed and sworn before me this 14 day of May	, 20 24
Offinal with Blanken sto	
- Sulliver Sullivery	Notary Public OFFICIAL SEAL
My commission expires 6/23/2029	NOTARY PUBLIC STATE OF WEST VIRGI
Commence and the second of the	Elizabeth Blankens
	046 Simpson Bun Roa 047 Simpson Bun Roa My Commission Expires June 23
	, , , , , , , , , , , , , , , , , , , ,

roposed Revegetation Treatment: Acres Disturbe	ed 13.88	Prevegetation pH	H
Limeas determined by pH test min.2 Tons/acre or to c		47	70510253
Fertilizer type 10-20-20	<del></del>		
Fertilizer amount 600/500	lbs/acre		
Mulch Hay/Straw	Tons/acre		
	Seed Mixtures		
Temporary		Perma	nent
Seed Type lbs/acre Attachment 3C		Seed Type	lbs/acre
Attach:  Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area.			
Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area.  hotocopied section of involved 7.5' topographic signs.	d, include dimensions (L	x W x D) of the pit, and	
Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area.  hotocopied section of involved 7.5' topographic states.	d, include dimensions (L	x W x D) of the pit, and	l dimensions (L x W), and are
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#### **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)

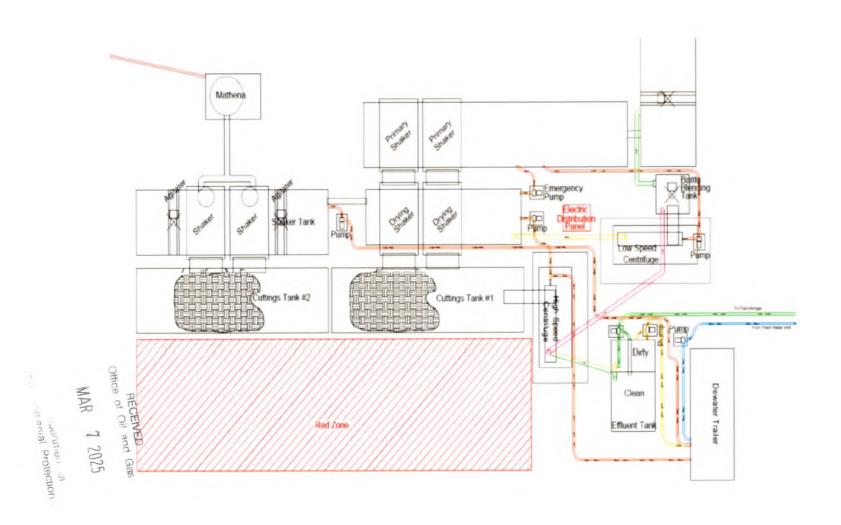
When drilling is converted to liquids drilling, the Shale Gas Separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached 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.

Office of Oil and Gase
MAR 7 2025

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## Solids Control Layout





#### **Drilling Mediums**

#### **Surface/Coal (if present)/Freshwater Intervals**

Air

Freshwater (if needed based on conditions)

**Intermediate/Coal (if present)** 

Air

Freshwater (if needed based on conditions)

Brine (if needed, base fluid for mud systems)

**Production Hole:** 

Air

Synthetic Oil (Base Fluid for mud system)

**Barite** 

Calcium Chloride

Lime

Organophilic Bentonite

**Primary and Secondary Emulsfiers** 

Gilsonite

Calcium Carbonate

**Friction Reducers** 

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Office of Oil and Gas

MAR 7 2025

WV Department of Environmental Protection



#### **WVD Seeding Specification**



To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi\_eddy@swn.com

(please allow 7 to 10 days for delivery)

#### **NON-ORGANIC PROPERTIES**

Seed Mixture: ROW Mix	SWN	N Supplied
Orchardgrass	40%	
Timothy	15%	
Annual Ryegrass	15%	
Brown Top Millet	5%	
Red Top	5%	
Medium Red Clover	5%	All legumes are
White Clover	5%	innoculated at 5x normal
Birdsfoot Trefoil	5%	rate
Rough Bluegrass	5%	
Apply @ 100lbs per acre April 16th- Oct. 14th		Apply @ 200lbs per acre Oct. 15th- April 15th PLUS bs 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 SWN supervision at the beginning of the project to allow time for special seed delivery.

#### ORGANIC PROPERTIES

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

#### WETLANDS (delineated as jurisdictional wetlands)

Seed Mixture: Wo	etland Mi	ix		SWN S	upplied	
VA Wild Ryegrass				20%		
Annual Ryegrass				20%		
Fowl Bluegrass				20%		4
Cosmos 'Sensation'				10%		7
Redtop	-		0	5%		0
Golden Tickseed	WV Depart	2	ffice	5%		S
Maryland Senna	roni	MAR	OF RE	5%		-
Showy Tickseed	nmental		马屈	5%		0
Fox Sedge		7 2025	RECEIVED and	2.5%		N
Soft Rush	Protection	202	1.2	2.5%		U
Woolgrass	tect	5	38	2.5%		W
Swamp Verbena	101			2.5%		~
Apply	@ 25lbs per	racre			Apply @ 50lbs per acre	7
April	16th- Oct. 1	14th			Oct. 15th- April 15th	

NO FERTILIZER OR LIME INSIDE WETLAND LIMITS

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

4705102537



SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: BW Edge MSH 8H
Wheeling QUAD
Sand Hill DISTRICT
MARSHALL COUNTY, WEST VIRGINIA

Submitted by:		
Name: Brittany Woody Suttany Woody	Date: <u>5/13/2024</u>	
Title: Staff Regulatory Specialist	SWN Production Co., LLC	Office of Oil and Gas
Approved by:		office of Garage
Name: TRADER Court	Date: 7 11 2024	. 01
Title: Dild GASTISPECTER		WV Department Protection
Approved by:		
Name:	Date:	
Title:	_	
SWN PRODUCTION COMPANY 11	C – CONFIDENTIAL	

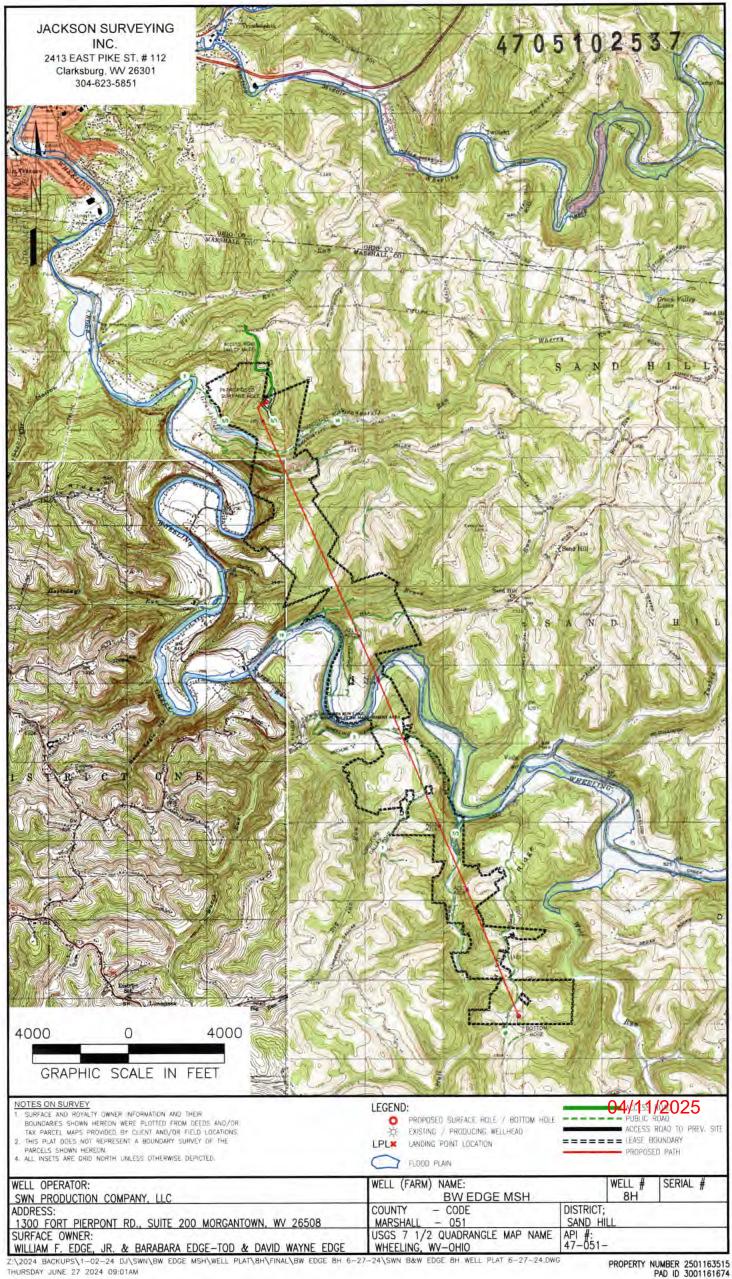
# MARCELLUS WELL DRILLING PROCEDURES AND 4705102537 WELL SITE SAFETY PLAN



SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: BW Edge MSH 410H
Wheeling QUAD
Sand Hill DISTRICT
MARSHALL COUNTY, WEST VIRGINIA

Submitted by:	
Name: Brittany Woody	Date: <u>5/13/2024</u>
Brutany Mody	AECENED and GRE
Title: Staff Regulatory Specialist	SWN Production Co., LLC
Approved by:	SWN Production Co., LLC  RECEIVED  Office of Oil and Gaze  7 2025  MAR  Date: 7 11 2024
Name: STRADER GOOGE	Date: 7 11 2024 Environmental Environmental
Title: Oil & Cas Inspector	
Approved by:	
Name:	Date:
Title:	
SWN PRODUCTION COMPANY LLC	_ CONFIDENTIAL



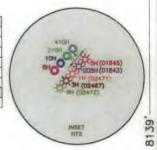
BOTTOM HOLE 2,123'-

2413 FAST PIKE ST. # 112 Clarksburg, WV 26301 304-623-5851

METERS)



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
LI	N 04'52'57" E	1654.76	SHL TO LANDMARK	5/8" REBAR
L2	N 62'20'23" E	2023.81	SHL TO LANDMARK	5/8" REBAR
L4	5 23'57'45" E	2.56'	AZL1 TO AZL2	
L5	S 23'15'10" E	71.63	AZL3 TO AZL4	
L6	S 22'02'48" E	49.05	AZL5 TO AZL6	
L7	S 21'53'22" E	35.00'	AZL7 TO AZL8	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 10'11'59" W	809.97	1,040.99	SHL TO LPL



HOLE

BOTTOM

,00, 35 80.

ongit

SHL

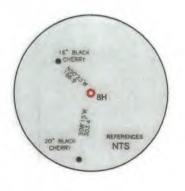
LANDING POIL	NT LOC	CATIC	ON (LPL):
UTM (NAD83,	ZONE	17,	METERS

SURFACE HOLE LOCATION (SHL) UTM (NAD83, ZONE 17, N NORTHING: 4,428,552.040 EASTING: 531,784.429

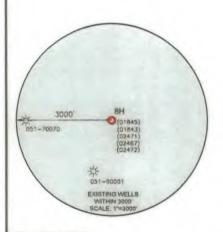
EASTING: 531,740.711

#### BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, M NORTHING: 4,420,732.830 EASTING: 534,952.679







#### WELL RESTRICTIONS

- ELL RESTRICTIONS

  NO OCCUPIED DWELLINGS > 2500 SO FT. WITHIN 625 FEET OF CENTER OF PAD.

  NO AGRICULTURE BUILDINGS > 2500 SO FT. WITHIN 625 FEET OF CENTER OF PAD.

  NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.

  NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE. WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE WITHIN 300 FEET OF LIMITS OF DISTURBANCE NO MATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR DUESS ON SURVEY.

- PUBLIC WATER SUPPLY.

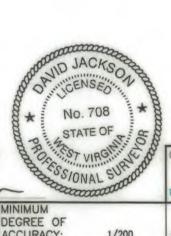
  NOTES ON SURVEY

  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.

  4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

  1. 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 ISSUET
  AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



2000 2000 0 GRAPHIC SCALE IN COMPANY

David I Ja (+) DENOTES LOCATION OF WELL ON MINIMUM UNITED STATES TOPOGRAPHIC MAPS

OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034 DEGREE OF ACCURACY:

1/200

SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

BW EDGE MSH OPERATOR'S WELL #: 8H

Production Company, LLC Production Company™

47 051

02537 API WELL #: COUNTY STATE PERMIT

WELL TYPE: OIL

WASTE DISPOSAL

PRODUCTION X

LIQUID INJECTION

STORAGE

ELEVATION: 1253.7' QUADRANGLE: WHEELING, WV-OHIO

DISTRICT: SAND HILL

WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10)

COUNTY: MARSHALL

SURFACE OWNER: WILLIAM F. EDGE, JR. & BARABARA EDGE-TOD & DAVID WAYNE EDGE ACREAGE: ±87.8 ACREAGE: ±115.8

PERFORATE NEW FORMATION

DRILL DEEPER

REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION

CONVERT

PLUG & ABANDON

OIL & GAS ROYALTY OWNER: JOSEPHINE FLETCHER

CLEAN OUT & REPLUG

04/11/2025

OTHER CHANGE (SPECIFY)

ESTIMATED DEPTH: 6,642' TVD 33,777' TMD

TARGET FORMATION: MARCELLUS WELL OPERATOR: SWN PRODUCTION COMPANY, LLC

ADDRESS: 1300 FORT PIERPONT RD., SUITE 200

STATE: WV ZIP CODE: 26508 DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT RD., SUITE 200

LEGEND:

PROPOSED SURFACE HOLE / BOTTO PROPOSED SURFACE HOLE / BOTTOM HOLE

LPLX LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING

CITY: MORGANTOWN

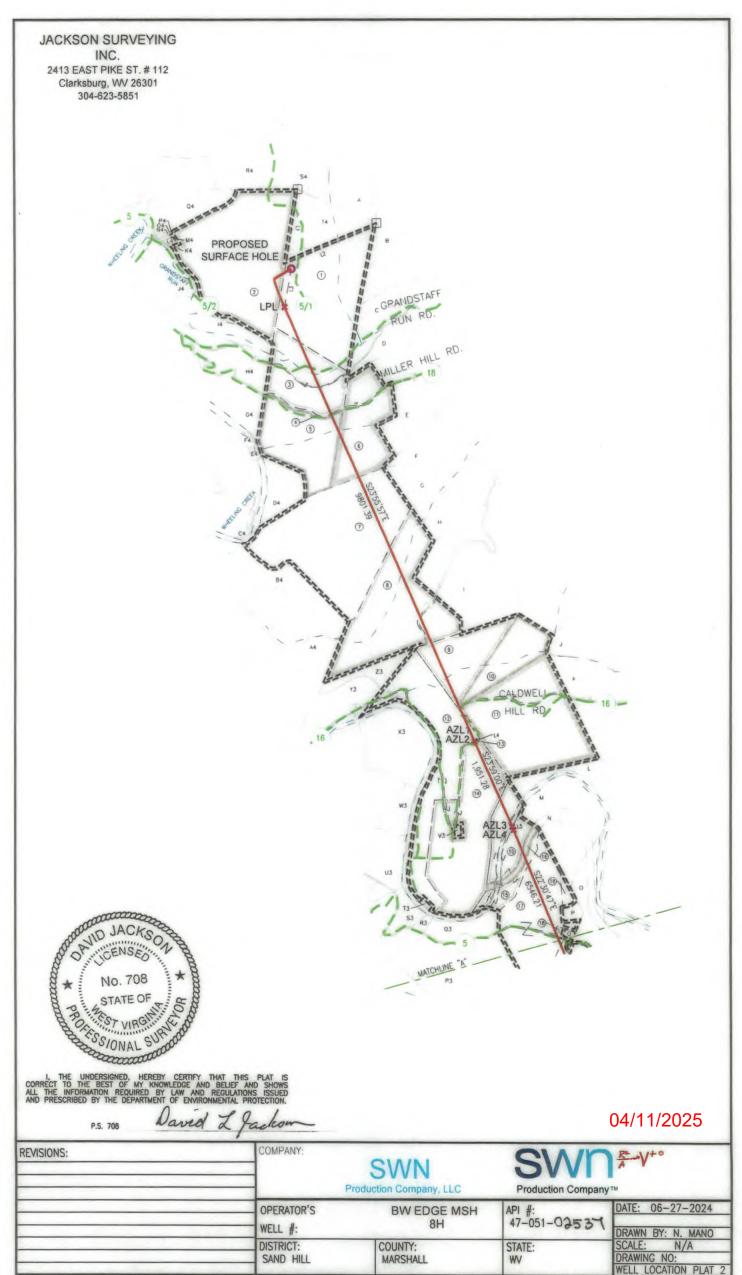
SURVEYED BOUNDARY - DRILLING LINIT = = = LEASE BOUNDARY - PROPOSED PATH

CITY: MORGANTOWN ZIP CODE: 26508 STATE: WV **REVISIONS:** DATE: 06-27-2024 DRAWN BY: N. MANO DRAWING NO

(S) \2024 BACKUPS\1-02-24 DJ\SWN\BW EDGE MSH\WELL PLAT\BH\FINAL\BW EDGE 8H 6-27-24\SWN B&W EDGE 8H WELL PLAT 6-27-24.DWG HURSDAY JUNE 27 2024 10:45AM

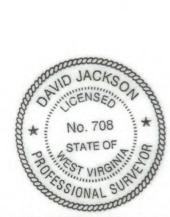
PROPERTY NUMBER 2501163515

WELL LOCATION PLAT



JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26301 304-623-5851





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 REQUIATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708 David L Jackson

04/11/2025

REVISIONS:	COMPANY:	SWN Production Company, LLC	SWI Production Company	
	OPERATOR'S WELL #:	BW EDGE MSH 8H	API #: 47-051-02531	DATE: 06-27-2024  DRAWN BY: N. MANO
	DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT

#### JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112 Clarksburg, WV 26301 304-623-5851

	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	EDGE WILLIAM IR & BARBARA ANN - TOD & DAVID WAYNE EDGE (S)/	12-9-8
	FLETCHER JOSEPHINE (R)	
TRACT	SURFACE OWNER (5)	TAX PARCEL
2	FOLMAR EDITH A TRUST (S)	12-1-19
3	ISALY ROBERT A SR EST (S)	12-9-9
4	WV DEPT OF HIGHWAYS (S)	MILLER HILL RD
5	PIKEWOOD ENERGY CORP (5)	12-9-10
6	GRAYJOHN ALVIN EST. (S)	12-9-11
7	FISHER CHARLES B & CARLA S (S)	12-9-20
8	MERINAR CALVIN C - LIFE (S)	12-9-19
9	MERINAR CALVIN C (S)	12-11-1
10	CLAYTON CHARLES W ET AL (S)	12-11-2
11	EQT TGHL EXPLORATION, LLC (S)	12-11-3
12	MERINAR KENNETH LETAL (S)	12-10-9
13	WV DEPT OF HIGHWAYS (S)	CALDWELLHILLR
14	HICKEY GLENN M (S)	12-10-8
15	HICKEY GLENN M (S)	15-1-6.1
16	HICKEY GLENN M (5)	15-1-7
17	ROSE TATIA JOSEPHINE (S)	15-1-19
18	ROSE TATIA JOSEPHINE (S)	15-1-10
19	ISKCON - NEW MATHURA VRINDABAN (S)	p/o 15-1-19
20	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-16
21	(SKCON - NEW MATHURA VRINDABAN (S)	15-1-16.2
22	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-17
23	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-18
24	ISKCON - NEW MATHURA VRINDABAN (S)	15-2-3.6
25	GEETA (S)	15-2-3.5
26	ANDERSON SARA JO (S)	15-2-4
27	BENNETT ROBERT A ET UX (S)	15-3-25.5
28	STRAUTMANN BONNIE & JEFF (S)	15-3-25.4
29	SHIPLEY JAMES S (S)	15-3-27
30	SHIPLEY JAMES 5 (S)	15-3-26
31	GRIMM JOYCE E (S)	15-6-3
32	DUNLAP LARRY W & BARBARA E (S)	15-6-9.2
33	FITZSIMMONS MARK B & DEBORAH A (S)	15-6-9
34	FITZSIMMONS MARK B & DEBORAH A (S)	15-6-8
35	FITZSIMMONS KATIE L (S)	15-6-7
36	FITZSIMMONS KATIE L (S)	15-6-13
37	BURKEY MICHAELJ & LINDA (S)	1200
38	The state of the s	15-6-14
56	FITZSIMMONS MARK B & DEBORAH A- TOD (S)	15-6-15

	ADJOINING OWNERS TABLE	
TRACT	SURFACE OWNER	TAX PARCE
A	WV BRIGEMONT, LLC	12-1-16
В	WV BRIGEMONT, LLC	12-2-14
C	ISALY ROBERT A SR EST	12-2-13
D	GIBSON WILLIAM E	12-9-12
E	PORTER CARLAS	12-9-13
F	MERINAR JAMES MARTIN ET UX	12 9 15.1
G	MERINAR CALVIN C - LIFL	12-9-15
Н	MERINAR CALVIN C - LIFE	12-9-16
1	MERINAR CALVIN C LIFE	12 9 18
1	TOLAND SONDRA J & WILLIAM E	12-9-17
K	TEMPLE TERRY L & BEVERLY J - TOD	12-11-4
1	THOMAS RICHARD LEE BARTON	12-11-16
M	ISKCON - NEW MATHURA VRINDABAN	15-1-8
N	ISKCON - NEW MATHURA VRINDABAN	15-1-9
0	ISKCON NEW MATHURA VRINDABAN	15-1-12
p	PRETTYMAN JEREMY A & BETH A	15-1-19.1
Q	BROWN ELEANORE	15 1 11
R	ISKCON NEW MATHURA VRINDABAN	15 1 15
5	ISKCON - NEW MATHURA VRINDABAN	15-1-14
T	ISKCON - NEW MATHURA VRINDABAN	15-1-16.1
U	MARKWEST LIBERTY MIDSTREAM & RESOURCES LLC	15-2-3.1
V	MURPHY MARIAN	12-16-2.2
W	MARKONICH RICHARD J	15-3-2
X	BENNETT PATRICIA A	15 3 25
A.	BENNETT ROBERT E ET UX	15 3 25.3
Z	STRAUTMANN BONNIE L & JEFFRLY	15-3-25.2
A2	GRIMM JOYCL L	15-3-24
B2	EBERT RENEE LYNN GRIMM	15 3 21
C2	EBERT RENEE LYNN GRIMM	15-6-3.1
02	STROPE GARY ANTHONY	15-6-5
E2	ANDERSON JULIE A	15-6-5.1
F2	STROPE ANTHONY	15-6-4
G2	STROPL ANTHONY	15-6-6.5
H2	DUNLAP LARRY W & BARBARA	15-6-9.1

TRACT	SURFACE OWNER	TAX PARCEL
12	ANGEL KYLEA & ADAM	15-6-9.3
J2	ANGEL KYLEA J	15-6-6.3
K2	FITZSIMMONS MARK B & DEBORAH A	15-6-6.4
12	ANGEL KYLEA	15-6-6
M2	BURKEY MICHAEL J & LINDA	15-5-14.1
N2	FOSTER KERRY GLENN ET UX	15-6-24
02	KAISER JOE M & SHIRLEY A FAMILY REVOCABLE TRUST	15-6-17
P2	COFFIELD WILLIAM E & BRENDA K ET AL	15-6-16
Q2	MILLER R CRAIG & DONITA D	15-6-11
R2	FITZSIMMONS MARK B ET UX - TOD	15-6-12
S2	KWIATKOSKI ANGELIQUE A	15-6-10
T2	GALL EDNA S & FRANK P LAUTAR	15-6-1
U2	FITZSIMMONS MARK B & DEBORAH A	15-6-2
V2		15-3-28
10000	GIVENS JASPER N	
W2	COFFIELD CLARENCE EST	15-3-29
X2	MOHAN NAITHANI P & RENATA BRUZA	15-2-12.4
Y2	MARCELO VANESSA	15-2-12.9
72	ORTEGA GILDA	15-2-12.6
A3	CLOTHIER VRINDA D ET AL	15-2-12.11
B3	ISKCON NEW VRINDABAN INC	15-2-5
C3	PATEL RAMESH & VINA	15-2-5.7
D3	ALPERT DIAN T	15-2-5.1
E3	GAFFOOR SHAM & VIDYA RAMKAREE	15-2-3.8
F3	HELLER ELICIA N	15-2-3.9
G3	FRAENKEL ANDY & RUTH	15-2-3.7
НЗ	FRAENKEL ANDY & RUTH	15-2-3.2
13	FRAENKEL ANDY & RUTH	15-2-3.4
J3	ISKCON - NEW MATHURA VRINDABAN	15-2-3.3
КЗ	ISKCON - NEW MATHURA VRINDABAN	15-1-16.3
13	MOWEN JOHN H JR	15-1-18.1
M3	ISKCON NEW VRINDABAN	15-1-18.2
N3	ISKCON - NEW MATHURA VRINDABAN	15-2-3
03	ISKCON - NEW MATHURA VRINDABAN	15-2-2
P3	GEETA	15-1-6
Q3	MERINAR KENNETH LET AL	15-1-6.3
R3	MERINAR KENNETH LET AL	15-1-6.2
53	LORENCE THOMAS & SILVIA LAU	15-1-5
T3	MERINAR JEFFREY T	12-10-8.2
U3	GEETA	15-1-4
V3	HICKEY GLENN M	12-10-8.1
W3	WHITE WILLIAM E & WILLIAM JAGANNATHA	15-1-2.2
X3	FINTEL DOUGLAS	
V3	GEETA	15-1-2.1
Z3	V 40000000 TO 10000000000000000000000000000	15-1-2
A4	MERINAR CALVIN C - LIFE	12-10-7
B4	FISH PATRICIA A & FREDERICK W	12-10-1.2
C4	SCHAFER ROY A JR & BRENDA M	12-9-22
	GRAY JOHN ALVIN EST	13-3-14
D4 E4	GRAY JOHN ALVIN EST	12-9-21
F4	SHEPHERD TIMOTHY & DEBORAH L	13-3-14.4
	PROVANCE FRANK J & ELIZABETH & BARRY F	13-3-14.5
G4	STEADMAN STELLA M-TOD	12-9-5.1
H4	DYE ALBERT M - LIFE	12-9-6
14	WHEELING CREEK WATERSHED COMM	12-9-6.1
K4	HADSELL SANDRA L	12-1-20
K4	DUFF JAMES E & BROOKE L CAPP	12-1-22,1
L4	DUFF JAMES E & BROOKE L CAPP	12-1-22
M4	FRAZIER GREGORY SCOTT - TOD	12-1-23
N4	PALMER ADAM R	12-1-26
04	FRAZIER GREGORY SCOTT - TOD	12-1-27.1
P/I	PALMER ADAM R	12-1-27.2
Q4	ADASE GEORGE & LAURIE	12-1-28
R4	SCHELLHASE MARK A ET UX	12-1-18
54	SCHELLHASE MARK A & ANDREA K	12-1-15.4
T4	WHEELING POWER COMPANY	12-9-8.1

ADJOINING OWNERS TABLE

\*Highlighted Parcels may be impacted during drilled

CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REQUIATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L factor

04/11/2025

REVISIONS:	COMPANY:	SWN Production Company, LLC	SWI Production Company	A-V+°
	OPERATOR'S WELL #:	BW EDGE MSH 8H	API #: 47-051-02537	DATE: 06-27-2024  DRAWN BY: N. MANO
	DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 4

## INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE 0 2 5 3 7 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.

\*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

RECEIVED
Office of Oil and Gas

MAR 7 2025

WV Department of Environmental Protection

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: SWN Production Company, LLC

By: Andrew M. Smith July M. Suits

Its: Landman

Page 1 of 1

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
1	12-9-8	Josephine Fletcher f/k/a Josephine Fisher, a married woman acting in her sole and separate property	NPAR, LLC	at least 1/8th per WV Code §22-6-8	707/584	0.00%
		NPAR, LLC	Chevron, USA, Inc		756/332	
		Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		30/532	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
2	12-1-19	Edith Adell Folmar, widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	932/525	0.00%
3	12-9-9	Robert A. Isaly, Jr. and Margaret A. Isaly, Husband and Wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	834/199	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Connie S. Harris, a married woman dealing in her sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1073/30	0.00%
		Edward L. Gardner, II, a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1074/486	0.00%
		Scott A. Gardner, a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1073/44	0.00%
		Eric M. Gordon, Esq., as Special Commissioner on behalf of James E. Isaly and his Unknown or Missing Heirs and Beneficiaries, pursuant to Order of the Marshall County Circuit Court in Civil Action No. 21-C-36	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1144/358	0.00%
4	Miller Hill Road	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1093/309	0.00%
5	12-9-10	Dennis Mitchell Kersey, a single person	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	883/475	0.00%
	RECEIVED	Geana Kay Kersey, a single person	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	881/46	0.00%
Offic	of Oil and	George L. Kersey, a single person	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	881/41	0.00%

MAR 7 2025

# N S

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interes Not Lease by SWN
		Golden Eagle Resources II, LLC	American Petroleum Partners	at least 1/8th per	965/370	0.00%
			Operating, LLC	WV Code §22-6-8	987/329	
		American Petroleum Partners Operating, LLC	SWN Production Company. LLC		45/381	
		Gregory Keith Kersey, Jr., a single man.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	988/141	0.00%
		Joan Hindman Hutcherson, a widow	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	898/593	0.00%
		TH Exploration, LLC	American Petroleum Partners		43/497	
			Operating LLC			
		American Petroleum Partners Operating, LLC	SWN Production Company. LLC		45/381	
		Tiffany Ann Kersey, a single person	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	886/366	0.00%
6	12-9-11	John Alvin Gray, married, dealing in his separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1083/410	0.00%
		Eric M. Gordon, Esq., as Special Commissioner on behalf of Leota Campbell Ferrell and her Unknown or Missing Heirs and Beneficiaries, pursuant to Order of the Marshall County Circuit Court in Civil Action No. 20-C-78	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1106/576	0.00%
7	12-9-20	Charles A. Fisher and Carla S. Fisher, his wife	TriEnergy, Inc	at least 1/8th per WV Code §22-6-8	655/559	0.00%
		TriEnergy, Inc	AB Resources, LLC		19/623	
		AB Resources, LLC	Chevron, USA, Inc		756/397	
RECEI of Oil	VED Land Gas	Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		30/532	
AR	<b>7</b> 2025	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
√ Depai	rtment of	Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
8	12-9-19	Robert A. Smith, a married man dealing in his sole and separate p	r Chesapeake Appalachia, L.L.C.	at least 1/8th per	721/209	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	WV Code §22-6-8	33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	:
9 12-11-1	Calvin C. Merinar, divorced	Great Lakes Energy Partners, L.L.C.	at least 1/8th per WV Code §22-6-8	652/32	0.00%	
		Range Resources - Appalachia, LLC	Chesapeake Appalachia, L.L.C.	code 322 0 0	23/368	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
10	12-11-2	Gregory P. Clayton and Denise Clayton, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1067/469	0.00%
11	12-11-3	APP Minerals, LLC	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1091/439	100.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		48/263	
12 RECEI ⊱ v Ot	12-10-9  IVED  and Gas	Kenneth Lee Merinar, a married man dealing in his sole separate property, James Martin Mariner, a married man dealing in his sole separate property; Jeffrey Thomas Merinar, a single man; and, Stanley J. Merinar, a married man dealing in his sole separate property	TriEnergy Holdings, LLC	at least 1/8th per WV Code §22-6-8	706/105	0.00%
NAR	7 2025	TriEnergy Holdings, LLC	NPAR, LLC			
	4	NPAR, LLC	Chevron USA, Inc.			ŀ
വ സംവദ വസ്ഥ <mark>ന</mark> ്	<sub>ਵਧਾਸ</sub> encof ar Protection	Chevron USA, Inc.	Chesapeake Appalachia, L.L.C.		30/532	İ
deline and and		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
13	Caldwell Hill Road	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1142/351	0.00%

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interes Not Lease by SWN
14	12-10-8	Glenn M. Hickey, a single man, Stanley L. Merinar, a married man dealing in sole and separate property, and Calvin C. Merinar, a single man	TriEnergy Holdings, LLC	at least 1/8th per WV Code §22-6-8	706/613	0.00%
		TriEnergy Holdings, LLC	NPAR, LLC		24/180	
		NPAR, LLC	Chevron USA, Inc.		756/332	
		Chevron, USA, Inc	Chesapeake Appalachia, LLC		30/532	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
15	15-1-6.1	Glenn M. Hickey, a single man, Stanley L. Merinar, a married man dealing in sole and separate property, and Calvin C. Merinar, a single man	TriEnergy Holdings, LLC	at least 1/8th per WV Code §22-6-8	706/613	0.00%
		TriEnergy Holdings, LLC	NPAR, LLC		24/180	
		NPAR, LLC	Chevron USA, Inc.		756/332	
		Chevron, USA, Inc	Chesapeake Appalachia, LLC		30/532	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
16	15-1-7	Tatia Josephine Rose, a single woman	Chevron U.S.A. Inc.	at least 1/8th per WV Code §22-6-8	820/167	0.00%
		Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		32/235	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
17	15-1-19	Tatia Josephine Rose, a single woman	Chevron U.S.A. Inc.	at least 1/8th per WV Code §22-6-8	820/167	0.00%
		Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		32/235	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
18	15-1-10	Tatia Josephine Rose, a single woman	Chevron U.S.A. Inc.	at least 1/8th per WV Code §22-6-8	820/167	0.00%
HECEN	VED and Gas	Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		32/235	
se of Oil	and Gas	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
	7 2025	Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	

### EXHIBIT "A" BW Edge MSH 8H ball County West Virgini

#### Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Intere Not Leas by SWI
19	P/O 15-1-19	Tatia Josephine Rose, a single woman	Chevron U.S.A. Inc.	at least 1/8th per WV Code §22-6-8	820/167	0.00%
		Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		32/235	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
20	15-1-16	International Society of Krishna Consciousness - New Mathura Vrindaban, Inc.	NPAR, ELC	at least 1/8th per WV Code §22-6-8	696/144	0.00%
		NPAR, LLC	Chevron U.S.A. Inc.		765/332	
		Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		30/532	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
21	15-1-16.2	ISKCON New Vrindaban, Inc., a West Virginia corporation	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/683	0.00%
22	15-1-17	ISKCON New Vrindaban, Inc.	American Petroleum Partners	at least 1/8th per	979/22	0.00%
			Operating, LLC	WV Code §22-6-8		
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
23	15-1-18	ISKCON New Vrindaban, Inc., a West Virginia corporation	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/686	0.00%
24	15-2-3.6	ISKCON New Vrindaban, Inc., a West Virginia corporation	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/689	0.00%
25	15-2-3.5	Gorakshya-Seva & Environmental Education Trust of America, Inc (dba GEETA)		at least 1/8th per WV Code §22-6-8	696/94	0.00%
		NPAR, LLC	Chevron U.S.A. Inc.		765/332	
		Chevron, USA, Inc	Chesapeake Appalachia, L.L.C.		30/532	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
26	15-2-4	Sara Jo Anderson, widow	CNX Gas Company, LLC	at least 1/8th per WV Code §22-6-8	696/242	0.00%
		CNX Gas Company, LLC	Noble Energy, Inc.		26/225	
RECEIVED	a G <b>as</b>	Noble Energy, Inc and CNX Gas Company, LLC	Chesapeake Appalachia, L.L.C., et al		32/113	
SECEMENT	() Cites	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		35/32	

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#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interes Not Lease by SWN
27	15-3-25.5	Jeffrey A. Strautmann and Bonnie L. Strautmann, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	700/626	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		Edward F. Thacker and Linda M. Thacker, husband and wife.	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	700/630	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		Donald P. Thacker, single	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	702/53	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		James W. Thacker and Linda L. Thacker, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	703/169	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		Charles C. Thacker, married and doing business in his sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	704/199	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
ECEIVEL)		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
of Oil and	d 1300.	Charles V. Eller, widower, through Charles Walter Eller, his agent and Attorney-in-Fact	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/93	0.00%
R 77	2025	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
\'`		Statoil USA Onshore Properties, Inc.	SWN Production Company, LLC		33/424	
⊔eparen Inmental I	<sub>ient</sub> of Protection	Robert E. Bennet, by Robert J. Bennet as Power of Attorney, and Patricia A. Bennett, husband and wife, as joint tenants with right	American Petroleum Partners Operating LLC	at least 1/8th per WV Code §22-6-8	1026/606	0.00%
		of survivorship American Petroleum Partners Operating LLC	SWN Production Company, LLC, et al		45/381	
28	15-3-25.4	Jeffrey A. Strautmann and Bonnie L. Strautmann, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	700/626	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Edward F. Thacker and Linda M. Thacker, husband and wife.	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	700/630	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		Donald P. Thacker, single	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	702/53	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		James W. Thacker and Linda L. Thacker, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	703/169	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
		Charles C. Thacker, married and doing business in his sole and separate property	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	704/199	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc.	SWN Production Company, LLC		33/424	
		Charles V. Eller, widower, through Charles Walter Eller, his agent and Attorney-in-Fact	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/93	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties, Inc	SWN Production Company, LLC		33/424	
29	15-3-27	Master Minerals I, L.P.	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	913/395	0.00%
HECE!	VED	American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
HIC OF SOM	and Gas	Nancy C. Beckett, single	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	912/594	0.00%
MAD	7 2025	American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
VIAIN		Daniel L. Shipley and Karen A. Shipley, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	912/591	0.00%
-Wronment ouronment	anment of tal Protection	American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
HAROLINDSON		Paul E. Shipley and Debra J. Shipley, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	912/601	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	

### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Charles W. Likens and Sara Jane Likens, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1149/174	0.00%
		Erline M. Likens, appearing individually and as Power of Attorney for James W. Likens	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/611	0.00%
		Ridgetop Ten, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/605	0.00%
		Raymond L. Kachermeyer, a widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/617	0.00%
		Allan J. Duperior and Star R. Duperior, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/623	0.00%
		Vemuri Home & Garden LLC	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	939/582	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Timothy C. Lint and Jane Driver-Lint, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	965/400	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC	_	45/381	
		Orlan J. Kachermeyer, a widower	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	968/68	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC	-	45/381	
		Brian K. Kachermeyer and Shelley L. Kachermeyer, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	979/30	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		David J. Kachermeyer, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	969/526	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
RECEIV	ED and Gas	Chad M. Simons, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	969/548	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
MAR	2025	Keith J. Burns and Rachel E. Burns, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	973/373	0.00%
	artinent of	American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
<sup>UALOUMEU</sup> , MA Debe	artinent of tal Protection	Edward J. Kachermeyer and Pamela Kachermeyer, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	976/499	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Black Gold Group, LTD	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1197/214	0.00%
		Sara Jane Likens, a married woman dealing in her sole and separate property (Life Tenant)	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1020/39	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Monica R. Robinson, a married woman and doing business in her sole and separate property	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1061/631	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Shirley May Bennington, a married woman dealing in her sole and separate properrty	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1077/547	0.00%
		Aaron Parry, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1102/598	0.00%
		Amy Parry Hill, married, dealing in her separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1105/440	0.00%
		Donald R. Reynolds and Diane K. Reynolds, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1193/272	0.00%
		Nancy L. McCabe-Day, married, dealing in her separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1200/79	0.00%
		Susannah V. Stern, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1195/656	0.00%
REC Hice of 1	EIVED Oil and Gas	Suellen Cox and Andy P. Cox, her husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1194/610	0.00%
MAR	7 2025	The Karen Oldfield Family Trust dated June 24, 2021, represented herein by Karen Oldfield, Trustee	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1196/372	0.00%
WV De	partment of ental Protection	2018 represented herein by Kenneth Wendel Oldfield and Angela	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1196/379	0.00%
			SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1199/251	0.00%
		Charlotte L. Gray (Remainderman)	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1209/497	0.00%
		H3 LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1208/255	0.00%
		Patrick William Shipley, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1206/484	0.00%

### EXHIBIT "A" BW Edge MSH 8H Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Shane A. Muravsky and Christina M. Muravsky, husband and wife	SWN Production Company, LLC	at least 1/8th per	1206/498	0.00%
		Castell Mineral Holdings, LLC	SWN Production Company, LLC	WV Code §22-6-8 at least 1/8th per	1208/289	0.00%
		Dianna Gallovitch, a widow	SWN Production Company, LLC	WV Code §22-6-8 at least 1/8th per WV Code §22-6-8	1200/400	0.00%
30	30 15-3-26	Master Minerals I, L.P.	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	914/132	0.00%
		American Petroleum Partners Operating, LLC  Nancy C. Beckett, single	SWN Production Company, LLC		45/381	
		American Petroleum Partners Operating, LLC	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	912/594	0.00%
		Daniel L. Shipley and Karen A. Shipley, husband and wife	SWN Production Company, LLC American Petroleum Partners	at least 1/8th per	45/381 912/591	0.00%
		American Petroleum Partners Operating, LLC	Operating, LLC SWN Production Company, LLC	WV Code §22-6-8	45/381	
		Paul E. Shipley and Debra J. Shipley, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	912/601	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Charles W. Likens and Sara Jane Likens, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1149/174	0.00%
		Erline M. Likens, appearing individually and as Power of Attorney for James W. Likens	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/611	0.00%
			SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/605	0.00%
HECE			SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/617	0.00%
_	iland Gas	Allan J. Duperior and Star R. Duperior, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1148/623	0.00%
MAR	7 2025	Vemuri Home & Garden LLC	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	939/582	0.00%
WA JEDE	anment of	American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
nvironment			American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	965/400	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	

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#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Orlan J. Kachermeyer, a widower	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	968/68	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Brian K. Kachermeyer and Shelley L. Kachermeyer, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	979/30	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		David J. Kachermeyer, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	969/526	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Chad M. Simons, a married man dealing in his sole and separate property	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	969/548	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Keith J. Burns and Rachel E. Burns, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	973/373	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Edward J. Kachermeyer and Pamela Kachermeyer, husband and wife	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	976/499	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Black Gold Group, LTD	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1197/214	0.00%
		Sara Jane Likens, a married woman dealing in her sole and separate property (Life Tenant)	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1020/39	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
		Monica R. Robinson, a married woman and doing business in her sole and separate property	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1061/631	0.00%
RECEIV	ŒD		SWN Production Company, LLC		45/381	
e of Oil .	and Gas	Shirley May Bennington, a married woman dealing in her sole and separate properrty	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1077/547	0.00%
AR '7	2025	Aaron Parry, Jr., a married man dealing in his sole and separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1102/598	0.00%
mpanm mental P	Protoction		SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1105/440	0.00%
STREET F	rotection	Donald R. Reynolds and Diane K. Reynolds, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1193/272	0.00%

#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Nancy L. McCabe-Day, married, dealing in her separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1200/79	0.00%
		Susannah V. Stern, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1195/656	0.00%
		Suellen Cox and Andy P. Cox, her husband	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1194/610	0.00%
		The Karen Oldfield Family Trust dated June 24, 2021, represented herein by Karen Oldfield, Trustee	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1196/372	0.00%
		The Kenneth Wendel Oldfield Living Trust, dated September 28, 2018, represented herein by Kenneth Wendel Oldfield and Angela Lewton Oldfield, Trustees	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1196/379	0.00%
		John R. McCabe, married, dealing in his separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1199/251	0.00%
		Charlotte L. Gray (Remainderman)	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1209/497	0.00%
		H3 LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1208/255	0.00%
		Patrick William Shipley, single	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1206/484	0.00%
		Shane A. Muravsky and Christina M. Muravsky, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1206/498	0.00%
		Castell Mineral Holdings, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1208/289	0.00%
		Dianna Gallovitch, a widow	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1200/400	0.00%
31	15-6-3	Joyce E. Grimm, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	682/129	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	2 1 2 2 2	33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	

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Office of Oil and Gas

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#### EXHIBIT "A" BW Edge MSH 8H

#### Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
32	15-6-9.2	Rickee Jo Strope, 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	690/380	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
	Mark Brent Fitzsimmons, 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	690/383	0.00%	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
33 15-6-9	Rickee Jo Strope, 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	690/380	0.00%	
	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110		
	Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424		
	Mark Brent Fitzsimmons, 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	690/383	0.00%	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
34	15-6-8	Michael J. Burkey and Linda V. Burkey, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1192/182	0.00%
35	15-6-7	Rickee Jo Strope, 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	690/374	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
		Mark Brent Fitzsimmons, 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	690/326	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
36	15-6-13	Rickee Jo Strope, married	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	690/314	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
RECE	EIVED	Mark Brent Fitzsimmons, married	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	690/317	0.00%
S of Oil and Gas		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	

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## EXHIBIT "A" BW Edge MSH 8H Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Rose L. Riley, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/65	0.00%
•		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Vicki F. Riley, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/70	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Robert J. Riley III, and Tammy J. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/76	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Timothy G. Riley and Judy W. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/81	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		David B. Riley and Kelly R. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/86	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Mark D. Flower and Ellen W. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	734/370	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Corey Maxim and Wendy Maxim, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/500	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
RECEIV	MELL and Gar	Brent M. Ruffner, single	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/510	0.00%
HICE OF OH		Chesapeake Appalachia, L.L.C.	SWN Production Company, Ł.L.C.		33/110	
MAR	7 7025	James B. Riley, Jr. and Cataline E. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	<b>736</b> /515	0.00%
	in conservation	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
الهوماد ۱۹۷۰ nvironmenta,	al Protection	Wendy Rosian, Guardian and Mother of Daniel D. Ruffner, a minor child	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	782/403	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
37	15-6-14	Michael J. Burkey and Linda V. Burkey, husband and wife	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1192/182	0.00%

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# EXHIBIT "A" BW Edge MSH 8H Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interes Not Lease by SWN
		Rose L. Riley, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/65	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Vicki F. Riley, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/70	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Robert J. Riley III, and Tammy J. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/76	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Timothy G. Riley and Judy W. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/81	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		David B. Riley and Kelly R. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/86	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Mark D. Flower and Ellen W. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	734/370	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Corey Maxim and Wendy Maxim, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/500	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
RECE	EIVED iland Gas	Brent M. Ruffner, single	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/510	0.00%
	_	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
MAR	7 2025	James B. Riley, Jr. and Cataline E. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/515	0.00%
wy Jepar	men. of	Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
rvormenta.	<sup>a</sup> rotection	Wendy Rosian, Guardian and Mother of Daniel D. Ruffner, a minor child	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	782/403	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.	_	33/110	
38	15-6-15	Mark B. Fitzsimmons and Deborah A. Fitzsimmons, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	690/320	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	

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### EXHIBIT "A" BW Edge MSH 8H

### Marshall County, West Virginia

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Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
T	15-1-16.1	ISKCON New Vrindaban, Inc., a West Virginia corporation	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/680	0.00%
R2	15-6-12	Frederick W. Dague, a married man dealing in his sole and separate property	Chevron U.S.A. Inc.	at least 1/8th per WV Code §22-6-8	1027/390	0.00%
		Chevron U.S.A. Inc.	EQT Aurora LLC		47/1	
		EQT Aurora LLC	SWN Production Company, LLC		1211/551	
		Harriet C. Riggle, A/K/A Harriet C. Dague Riggle, a married woman dealing in her sole and separate property	Chevron U.S.A. Inc.	at least 1/8th per WV Code §22-6-8	1027/393	0.00%
		Chevron U.S.A. Inc.	EQT Aurora LLC		47/1	
		EQT Aurora LLC	SWN Production Company, LLC		1211/551	
		Rose L. Riley, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/65	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Vicki F. Riley, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/70	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Robert J. Riley III, and Tammy J. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/76	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Timothy G. Riley and Judy W. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/81	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		David B. Riley and Kelly R. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	730/86	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Mark D. Flower and Ellen W. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	734/370	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Corey Maxim and Wendy Maxim, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/500	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Brent M. Ruffner, single	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/510	0.00%

MAR 7 2025

WV Department of Environmental Protection

# 4705102537

### EXHIBIT "A"

### BW Edge MSH 8H

### Marshall County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		James B. Riley, Jr. and Cataline E. Riley, husband and wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	736/515	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	
		Wendy Rosian, Guardian and Mother of Daniel D. Ruffner, a minor child	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	782/403	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, L.L.C.		33/110	

End of 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.

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





February 13, 2025

Mr. Charles Brewer

601 57th St., SE

WV DEP Office of Oil & Gas

SWN Production Company, LLC

1300 Fort Pierpont Dr, Ste 201 Morgantown, WV 26508 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

4705102537

RE: SWN's proposed New Well: BW Edge MSH 8H in Marshall County, West Virginia, Drilling under Miller Hill Road, Caldwell Hill Road, Big Wheeling Creek Road, Guest House Loup Road, Crescent Road, Swan Lake Road, Temple Brick Road, McCreary's Ridge Road, Lower Stull Run Road, and Irish Ridge Road.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Miller hill Road, Caldwell Hill Road, Big Wheeling Creek Road, Guest House Loup Road, Crescent Road, Swan Lake Road, Temple Brick Road, McCreary's Ridge Road, Lower Stull Run Road, and Irish Ridge Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Andrew Smith

Landman

SWN Production Company, LLC

anh m. Suit

RECEIVED
Office of Oil and Gas

MAR 7 2025

VVV Department of Environmental Protection

R2 wV+

The Right People doing the Right Things, wisely investing the cash flow from our underlying Assets, will create  $\vee$ alue+8 04/11/2025

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

Date of Noti	ce Certification: 3 1		API No. 47	051	
				Well No. BW	Edge MSH 8H
				ame: BW Edg	
Notice has	heen given		wen rau i	anie. Dw Log	JE WIGHT
	ne provisions in West Virginia Code	8 22-6A the Operator has provi	ided the rea	uired parties v	with the Notice Forms listed
below for the	tract of land as follows:	3 == ori, me operator mas provi	raca me req	uned parties v	vitil the route Points listed
State:	West Virginia		Easting:	531,784.429	
County:	051-Marshall		Northing:	4,428,552.040	
District:	Sand Hill	Public Road Acces		Big Wheeling Cre	ek Road
Quadrangle:	Wheeling	Generally used far	rm name:	BW Edge MSH	
Watershed:	Grandstaff Run of Wheeling Creek				
it has provid information r of giving the requirements Virginia Cod	the secretary, shall be verified and sed the owners of the surface described equired by subsections (b) and (c), so surface owner notice of entry to so of subsection (b), section sixteen of \$22-6A-11(b), the applicant shall have been completed by the applicant	bed in subdivisions (1), (2) an ection sixteen of this article; (ii) arvey pursuant to subsection (a of this article were waived in vender proof of and certify to the	nd (4), subset that the receive, section to writing by t	ection (b), sec quirement was en of this arti- the surface ow	ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to West
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the require ECK ALL THAT APPLY	perator has attached proof to this d parties with the following:	is Notice Co	ertification	OOG OFFICE USE
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRE SEISMIC ACTIVITY WAS			□ RECEIVED/
			CONDUC	ED	NOT REQUIRED
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	YEY or □ NO PLAT SURVE			NOT REQUIRED  RECEIVED
	TICE OF ENTRY FOR PLAT SURV	PEY or □ NO PLAT SURVED NOTICE NOT REQUIRED NOTICE OF ENTRY FOR PER WAS CONDUCTED OF	Y WAS CO	ONDUCTED	
		☐ NOTICE NOT REQUIRE NOTICE OF ENTRY FOR PE	EY WAS CO ED BECAU LAT SURV	ONDUCTED USE VEY	RECEIVED/
■ 3. NO		☐ NOTICE NOT REQUIRE NOTICE OF ENTRY FOR PEWAS CONDUCTED or ☐ WRITTEN WAIVER BY	EY WAS CO ED BECAU LAT SURV	ONDUCTED USE VEY	RECEIVED/
■ 3. NO	TICE OF INTENT TO DRILL OF	☐ NOTICE NOT REQUIRE NOTICE OF ENTRY FOR PEWAS CONDUCTED or ☐ WRITTEN WAIVER BY	EY WAS CO ED BECAU LAT SURV	ONDUCTED USE VEY	RECEIVED/ RECEIVED/ NOT REQUIRED

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.

MAR 7 2025

WV Depter 11/2025 Environmental Protection By:

### 4705102537

### 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: SWN Production Co., LLC

Brittany Woody

Its: Staff Regulatory Specialis

Telephone: 304-884-1610

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany\_Woody@swn.com

S

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Elizabeth Blankenship
60 Simpson Run Road
Weston, WV 26452
My Commission Expires June 23, 2029

Subscribed and sworn before me this 14 day of May

Notary Public

My Commission Expires 6/23

### 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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

RECEIVED
Office of Oil and Gas

MAR 7 2025

WV Department of Environmental Protection WW-6A (9-13) 4705102537

OPERATOR WELL NO. BW Edge MSH 8H Well Pad Name: BW Edge MSH

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

Notice Time Requirement: notice shall be provide	d no later than the filing date of permit application.
Date of Notice: Date Permit Applicatio	
	ATE OF APPROVAL FOR THE
WELL WORK CONSTRU	CTION OF AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code	e § 22-6A-10(b)
☐ PERSONAL ☑ REGISTERED	METHOD OF DELINERY THAT PROVIDES
	METHOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL	RECEIPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is propo- oil and gas leasehold being developed by the proposed described in the erosion and sediment control plan sub- operator or lessee, in the event the tract of land on whice more coal seams; (4) The owners of record of the surfa- well work, if the surface tract is to be used for the place impoundment or pit as described in section nine of this have a water well, spring or water supply source locate provide water for consumption by humans or domestic proposed well work activity is to take place. (c)(1) If m subsection (b) of this section hold interests in the lands records of the sheriff required to be maintained pursuar provision of this article to the contrary, notice to a lien Code R. § 35-8-5.7.a requires, in part, that the operato- water purveyor or surface owner subject to notice and v	
☐ Application Notice ☐ WSSP Notice ☐ E&S I	Plan Notice  Well Plat Notice is hereby provided to:
SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Barbara Ann & William F. Edge	Name: American Consolidated Natural Resources Attn: Steve Blair
Address: 1116 Virginia Street	Address: 46226 National Road
Martins Ferry, OH 43935	St. Clairsville OH 43950
Name: David Wayne Edge Address: 27 Pine Lane	COAL OPERATOR
Wheeling WV 26003	Name:
SURFACE OWNER(s) (Road and/or Other Distur	Address:
Name:	☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Address:	
Name:	
Name:	Address:
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	
Name:	Name:Address:
Address:	1 Mail Vooi
	*Please attach additional forms if necessary RECEIVED

MAR 7 2025

WW-6A (9-13)

### 4705102537

API NO. 47- 051

OPERATOR WELL NO. BW Edge MSH 8H

Well Pad Name: BW Edge MSH

# 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: 2 Date Permit Application	311
Date of Notice: Date Permit Application	ı Filed: V
Notice of:	
PERMIT FOR ANY CERTIFICA	TE OF APPROVAL FOR THE
WELL WORK CONSTRUC	CTION OF AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code	§ 22-6A-10(b)
☐ PERSONAL ☑ REGISTERED	METHOD OF DELIVERY THAT REQUIRES A
	METHOD OF DELIVERY THAT REQUIRES A
SERVICE MAIL	RECEIPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed of and gas leasehold being developed by the proposed described in the erosion and sediment control plan submorperator or lessee, in the event the tract of land on whice more coal seams; (4) The owners of record of the surface well work, if the surface tract is to be used for the place impoundment or pit as described in section nine of this have a water well, spring or water supply source located provide water for consumption by humans or domestic approposed well work activity is to take place. (c)(1) If me subsection (b) of this section hold interests in the lands, records of the sheriff required to be maintained pursuant provision of this article to the contrary, notice to a lient	article, and the well plat to each of the following persons: (1) The owners of record of sed to be located; (2) The owners of record of the surface tract or tracts overlying the well work, if the surface tract is to be used for roads or other land disturbance as mitted pursuant to subsection (c), section seven of this article; (3) The coal owner, the the well proposed to be drilled is located [sic] is known to be underlain by one or coe tract or tracts overlying the oil and gas leasehold being developed by the proposed ement, construction, enlargement, alteration, repair, removal or abandonment of any article; (5) Any surface owner or water purveyor who is known to the applicant to d within one thousand five hundred feet of the center of the well pad which is used to animals; and (6) The operator of any natural gas storage field within which the ore than three tenants in common or other co-owners of interests described in the applicant may serve the documents required upon the person described in the at to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. r shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water testing as provided in section 15 of this rule.
☐ Application Notice ☐ WSSP Notice ☐ E&S F	Plan Notice  Well Plat Notice is hereby provided to:
SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE
Name: Edith Folmer Trust IN CARE OF: Carol Snyder	Name:
Address: 4206 SW 13th Ave	Address: RECEIVED
Wheeling, WV 26003	Office of Oil and Gas
Name: Cape Coral FL 33914	□ COAL OPERATOR
Address: 1 Riverside Place	Name:MAR 7 2025
Columbus, OH 43215	Address:
SURFACE OWNER(s) (Road and/or Other Distur	bance) Wy integritment of
Name:	SURFACE OWNER OF WATER WELL Environmental Protection
Address:	AND/OR WATER PURVEYOR(s)
	Name:
Name:	Address:
Address:	
	☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address:
Address:	
And the second s	*Please attach additional forms if necessary

WW-6A (8-13)

APING 47-0 5-1 0 2 5 OPERATOR WELL NO. BW Edge MSH 8H Well Pad Name: BW Edge MSH

### 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) additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice after 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/oiland-gas/pages/default.aspx.

### Well Location Restrictions

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

WW-6A (8-13) 47.05105102537

OPERATOR WELL NO. BW Edge MSH 8H

Well Pad Name: BW Edge MSH

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

### Water Well Testing:

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

### Water Testing Laboratories:

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

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

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

### Written Comment:

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

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

MAR 7 2025

Vec Department Of Environmental Protection

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

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OPERATOR WELL NO. BW Edge MSH 8H
Well Pad Name: BW Edge MSH

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

### Permit Denial or Condition

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

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

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

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

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MAR 7 2025

Environmental Protection

API NO. 47-051

OPERATOR WELL NO. BW Edge MSH 8H

Well Pad Name: BW Edge MSH

470510253

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508 Facsimile: 304-884-1690

Notice is hereby given by: Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610

Email: Brittany\_Woody@swn.com

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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.



Subscribed and sworn before me this 14 day of May, 2024.

Notary Public

My Commission Expires\_\_

Office of Oil and Gas

MAR 7 2025

Environmental Protection



# STATE OF WEST VIRGINIA 47 0 5 1 0 2 5 3 7 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

Date of Notic	e: 5/14/2024 Date of Pla	nned Entry: 5/21/2024			
Delivery met	hod pursuant to West Virginia C	Code § 22-6A-10a			
☐ PERSON	NAL REGISTERED	☐ METHOD OF DEI	IVERY THAT RE	OLURES A	
SERVIC		RECEIPT OR SIGN			
SERVIC	MAL	RECEIF I OR SIGI	NATURE CONFIR	MATION	
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, white enable the surface	lest Virginia Code § 22-6A-10(a), ace tract to conduct any plat survey nan forty-five days prior to such entract that has filed a declaration purely underlying such tract in the control Manual and the statutes a fich statement shall include contact face owner to obtain copies from the expression of the provided to:	is required pursuant to this an atry to: (1) The surface ownersuant to section thirty-six, a county tax records. The notice and rules related to oil and gas information, including the a	ticle. Such notice s r of such tract; (2) t rticle six, chapter to e shall include a sta s exploration and pr	hall be provided a to any owner or le wenty-two of this stement that copie roduction may be	at least seven days ssee of coal seams code; and (3) any s of the state Erosion obtained from the
	E OWNER(s)	■ COA	L OWNER OR LE	CCFF	
	Ann & William F. Edge		erican Consolidated Natura		
Address: 1116			46226 National Road	ii Nesources	_
Martins Ferry, OH 4		St. Clairsville			- RECEIVED  Biffice of Oil and Gas
Name: David Wa	ayne Edge				-Office of the and Ga
Address: 27 Pin		■ MINI	ERAL OWNER(s)		MAR 7 2025
Wheeling WV 2600	3		bara Ann & William F. Edge		MAR 7 2025
Name: Edith Fol	mer Trust IN CARE OF: Carol Snyder		7115 Paste Drive		_
Address: 4206		Martins Ferry,			wwweparment.of
Cape Coral FL 339	14	*please attac	h additional forms if neo	cessary	Environmental Protecti
a plat survey of State:	est Virginia Code § 22-6A-10(a), on the tract of land as follows: West Virginia	Approx. Latit	ude & Longitude:	operator is plann 40.015294, -80.630	ing entry to conduct
County:	Marshall	Public Road A	Access:	Big Wheeling Creek Ro	ad
District:	Sand Hill	Watershed:		Upper Ohio South	
Quadrangle:	Wheeling	Generally use	d farm name:	B & W Edge MSH	
may be obtain Charleston, W	state Erosion and Sediment Controlled from the Secretary, at the WV IV 25304 (304-926-0450). Copies the Secretary by visiting				

### 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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

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

Date of Notice:	5/14/2024	Date of Plan	nned Entry: 5/24/2024		A FORTY-FIVE (45) days prior to
Delivery metho	od pursuant (	to West Virginia C	ode § 22-6A-10a		
□ PERSONA SERVICE	AL 🔳	REGISTERED MAIL	☐ METHOD OF DEI RECEIPT OR SIGN		
on to the surface but no more that beneath such tra owner of minera and Sediment C Secretary, which	e tract to cond in forty-five d act that has fil als underlying control Manua in statement sl ce owner to co	duct any plat survey, ays prior to such en- led a declaration pur g such tract in the co- al and the statutes ar hall include contact obtain copies from the	s required pursuant to this a try to: (1) The surface ownersuant to section thirty-six, a punty tax records. The notice and rules related to oil and gatinformation, including the a	rticle. Such notice s r of such tract; (2) tricle six, chapter to e shall include a sta s exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to
SURFACE			■ COA	L OWNER OR LE	SSEE
Name: Wheeling P					
Address: 1 Rivers			Address		
Columbus OH 43125					
District Control of Control of Control					•
Address:			■ MIN	ERAL OWNER(s)	
				vid Wayne Edge	
Name:			Address:	27 Pine Island Road	
				26003	
Address:			Wheeling WV	20003	
Address:			*please attac	h additional forms if ne	cessary
Notice is here Pursuant to Wes a plat survey on State:	by given: st Virginia Co the tract of la Vest Virginia	ode § 22-6A-10(a), r and as follows:	*please attach	th additional forms if ne ne undersigned well tude & Longitude:	l operator is planning entry to conduct 40.015294, -80.630
Notice is here Pursuant to Wes a plat survey on State:   County:	by given: st Virginia Co the tract of la Vest Virginia Marshall	ode § 22-6A-10(a), r	*please attace notice is hereby given that the second seco	th additional forms if ne ne undersigned well tude & Longitude:	operator is planning entry to conduct  40.015294, -80.630  Big Wheeling Creek Road
Notice is here Pursuant to Wes a plat survey on State: County: District:	by given: st Virginia Co the tract of la Vest Virginia Marshall Sand Hill	ode § 22-6A-10(a), r and as follows:	*please attachnotice is hereby given that the state of th	th additional forms if ne ne undersigned well tude & Longitude: Access:	operator is planning entry to conduct  40.015294, -80.630  Big Wheeling Creek Road  Upper Ohio South
Notice is here Pursuant to Wes a plat survey on State:  County:  District:  Quadrangle:  Copies of the sta may be obtained Charleston, WV obtained from the	by given: st Virginia Co the tract of la Vest Virginia Marshall Sand Hill Wheeling ate Erosion and d from the Se 7 25304 (304) the Secretary I	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting www.der	*please attack notice is hereby given that the Approx. Lating Public Road Watershed: Generally use the Manual and the statutes are Department of Environments.	th additional forms if ne me undersigned well aude & Longitude: Access: ed farm name: ad rules related to o al Protection headq ional information r	operator is planning entry to conduct  40.015294, -80.630  Big Wheeling Creek Road
Notice is here Pursuant to Wes a plat survey on State:  County:  District:  Quadrangle:  W Copies of the stamay be obtained Charleston, WV obtained from the	by given: st Virginia Co the tract of la Vest Virginia Marshall Sand Hill Wheeling ate Erosion and from the Se 7 25304 (304 the Secretary la by given by	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting www.der	*please attack notice is hereby given that the Approx. Lating Public Road Watershed: Generally use of Such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are sof such documents or additional and the statutes are softened as a such as	th additional forms if ne me undersigned well aude & Longitude: Access: ed farm name: ad rules related to o al Protection headq ional information r	doperator is planning entry to conduct  40.01529480.630  Big Wheeling Creek Road  Upper Ohio South  B & W Edge MSH  ill and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, elated to horizontal drilling may be
Notice is here Pursuant to Wes a plat survey on State:  County:  District:  Quadrangle:  Copies of the sta may be obtained Charleston, WV obtained from the	by given: st Virginia Co the tract of la Vest Virginia Marshall Sand Hill Wheeling ate Erosion and from the Se 7 25304 (304 the Secretary la by given by	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting www.deg	*please attachnotice is hereby given that the Approx. Lating Public Road Watershed: Generally used I Manual and the statutes are Department of Environments of such documents or addition.wv.gov/oil-and-gas/pages/	the additional forms if new the undersigned well and a Longitude: Access:  and farm name: and rules related to one all Protection headquional information redefault.aspx.	doperator is planning entry to conduct  40.01529480.630  Big Wheeling Creek Road  Upper Ohio South  B & W Edge MSH  ill and gas exploration and production uarters, located at 601 57 <sup>th</sup> Street, SE, related to horizontal drilling may be

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# 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 Date of Noti	Requirement: ce: 06/24/2024	Notice shall be provided  Date P	at least TEN (10) days prior to filing a cermit Application Filed:	permit application.
Delivery me	thod pursuant	to West Virginia Code §	§ 22-6A-16(b)	
☐ HAND	•	CERTIFIED MAIL		
DELIV	ERY	RETURN RECEIPT RI	EQUESTED	
receipt reque drilling a hor of this subse- subsection m and if availal	ested or hand del rizontal well: P ction as of the da aay be waived in ble, facsimile nu ereby provided Vayne Edge	ivery, give the surface or provided. That notice give ate the notice was provided.	wner notice of its intent to enter upon the pursuant to subsection (a), section to ed to the surface owner: Provided, however. The notice, if required, shall included address of the operator and the operator wner.  WNER(s):  Name:	Office of Oil 2.12
Wheeling, WV 2			Address:	MAR Volument of www pental Protection
the surface o State:	wner's land for		horizontal well on the tract of land as for Easting:	531,787.227
County: District:	Marshall Sand Hill		Public Road Access:	4,428,555.258 Grandstaff Run Road
Quadrangle:	Wheeling, WV-OH		Generally used farm name:	BW EDGE
Watershed:	Grandstaff Run of		Generally used raini hance.	
Pursuant to facsimile nu related to ho	mber and electr rizontal drilling	Code § 22-6A-16(b), the onic mail address of the may be obtained from t	e operator and the operator's authoriz he Secretary, at the WV Department of	ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Notice is he	ereby given by	:		
	Or: SWN Production		Authorized Representative:	Reid Croft
Address:	1300 Fort Pierp	ont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201
	Morgantown, W	V 26508		Morgantown, WV 26508
Telephone:	304-231-8329		Telephone:	304-231-8329
Email: Facsimile:	reid_croft@swr	1.com	Email: Facsimile:	reid_croft@swn.com
	-			

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Operator Well No. BW EDGE MSH 8H

### 4705102537

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

Delivery me	thod pursuant to West Virginia (	Code § 22-6A-16(c)		
■ CERTI	EIED MAII	П		
	FIED MAIL	☐ HAND		
RETU	RN RECEIPT REQUESTED	DELIVERY		
eturn receipt he planned of equired to be lirilling of a lamages to the d) The notice of notice.	requested or hand delivery, give to operation. The notice required by provided by subsection (b), section thorizontal well; and (3) A propose we surface affected by oil and gas of the surface affected by oil and gas of the surface affected by this section shall be the provided to the SURFACE (	the surface owner whose land this subsection shall include on ten of this article to a surface ed surface use and compens perations to the extent the da given to the surface owner a	will be used for de: (1) A copy ace owner whose ation agreement mages are com	ication, an operator shall, by certified main or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the att containing an offer of compensation for opensable under article six-b of this chapter sted in the records of the sheriff at the time
at the address	s listed in the records of the sheriff	at the time of notice):		
at the addres				
Name: David W	ayne Edge	Name:		
Name: David W Address: 27 P Wheeling, WV 26 Notice is her Pursuant to V	eby given: /est Virginia Code § 22-6A-16(c),	Address notice is hereby given that the	ne undersigned	well operator has developed a planned
Name: David Waddress: 27 P Wheeling, WV 26 Notice is her Pursuant to V peration on state:	ayne Edge ne Lane 003 eby given:	Address notice is hereby given that the	e undersigned I well on the tra	
Name: David Waddress: 27 P Wheeling, WV 26 Notice is her Pursuant to V peration on state: County: District:	eby given: /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu	Address notice is hereby given that th urpose of drilling a horizonta	te undersigned I well on the tra Basting: Northing:	act of land as follows: 531,784,429
Name: David W Address: 27 P Wheeling, WV 26 Notice is her Pursuant to V peration on State: County; District: Quadrangle:	eby given: /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu	notice is hereby given that the property of drilling a horizonta of the LTM NAD 8	te undersigned I well on the tra Basting: Northing:	act of land as follows: 531,784,429 4,428,552.040
Name: David W Address: 27 P Wheeling, WV 26 Notice is her Pursuant to V	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the puwv  Marshall Sand Hill	notice is hereby given that the property of drilling a horizonta of the LTM NAD 8	te undersigned I well on the tra Easting: Northing: Access:	act of land as follows: 531,784.429 4.428,552.040 Grandstaff Run Road
Name: David W. Address: 27 P. Wheeling, WV 26 Notice is her Pursuant to V. peration on State: County: District: Quadrangle: Vatershed: Pursuant to V. po be provide orizontal we surface affect information in	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the property of the surface owner's land for the surfac	notice is hereby given that the prose of drilling a horizonta UTM NAD 8  Public Road A Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are combe obtained from the Secret	The undersigned of well on the transport of the transport	act of land as follows: 531,784.429 4.428,552.040 Grandstaff Run Road
Variable Service Servi	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu  // Marshall Sand Hill  Wheeling, WV-OH  Grandstaff Run of Wheeling  Shall Include:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu  // Shall Include:  // Stall Include:  //	notice is hereby given that the prose of drilling a horizonta UTM NAD 8  Public Road A Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are compensation agreement be obtained from the Secret Charleston, WV 25304 (1)	A copy of this land will be uncarry, at the WV 304-926-0450)	act of land as follows:  531,784.429  4.428,552.040  Grandstaff Run Road  BW EDGE   code section; (2) The information requiredused in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additionally Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Name: David W. Address: 27 P. Wheeling, WV 26 Notice is her Pursuant to V. peration on State: County: District: Quadrangle: Vatershed: This Notice Start to V. pursuant to	eby given:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu  // Marshall Sand Hill  Wheeling, WV-OH  Grandstaff Run of Wheeling  Shall Include:  /est Virginia Code § 22-6A-16(c), the surface owner's land for the pu  // Shall Include:  // Stall Include:  //	notice is hereby given that the prose of drilling a horizonta UTM NAD 8  Public Road A Generally use this notice shall include: (1) to a surface owner whose and compensation agreement extent the damages are combe obtained from the Secret	The undersigned and well on the transport of the transpor	act of land as follows:  531,784.429  4.428,552.040  Grandstaff Run Road  BW EDGE   code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201

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MAR 7 2025

MA nehaumeur of Environmental Protection

4705102537

# 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 Date of Noti	Requirement: Notice shall be p	rovided at least TEN (10) days prior to filing a  Date Permit Application Filed:	a permit application.
Delivery me	thod pursuant to West Virginia	a Code § 22-6A-16(b)	
☐ HAND	■ CERTIFIED M.	AII	
DELIVI	RETURN REC.	EIPT REQUESTED	
receipt reque drilling a hor of this subsec- subsection m	sted or hand delivery, give the suizontal well: <i>Provided</i> , That no ction as of the date the notice was ay be waived in writing by the su	ast ten days prior to filing a permit application urface owner notice of its intent to enter upon the tice given pursuant to subsection (a), section the sprovided to the surface owner: Provided, how urface owner. The notice, if required, shall incomic mail address of the operator and the operator	the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number,
Notice is he	reby provided to the SURF	ACE OWNER(s):	MAR 7 2025
Name: Wheelin	g Power Company	Name:	WAR
Address: 1 Ri		Address:	WV Department of
Columbus, OH 4	3125		Environmental Protection
State: County: District:	WV Marshall Sand Hill	UTM NAD 83 Easting: Northing: Public Road Access:	531,784.429 4,428,552,040 Grandstaff Run Road
Quadrangle:	Wheeling, WV-OH	Generally used farm name:	BW EDGE
Watershed:	Grandstaff Run of Wheeling	Generally used farili fiame.	BW EDGE
Pursuant to facsimile nur	mber and electronic mail addres	6(b), this notice shall include the name, add is of the operator and the operator's authorized from the Secretary, at the WV Department of 25304 (304-926-0450) or by visiting www.d.	ed representative. Additional information of Environmental Protection headquarters.
Notice is he	reby given by:		
Well Operato		Authorized Representative	Reid Croft
Address:	1300 Fort Pierpont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
Telephone:	304-231-8329	Telephone:	304-231-8329
Email:	reid_croft@swn.com	Email:	reid_croft@swn.com
Facsimile:		Facsimile:	

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### 4705102537 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS **NOTICE OF PLANNED OPERATION**

Date of Not	ce: 06/24/2024 Date P	Permit Application Filed:	t application.
Delivery me	thod pursuant to West Virginia	Code § 22-6A-16(c)	
■ CERT	FIED MAIL	☐ HAND	
	RN RECEIPT REQUESTED	DELIVERY	
eturn receip he planned equired to b drilling of a damages to t d) The notice	t requested or hand delivery, give operation. The notice required be e provided by subsection (b), sect horizontal well; and (3) A propo- he surface affected by oil and gas	later than the date for filing the permit apple the surface owner whose land will be used to by this subsection shall include: (1) A copyrion ten of this article to a surface owner who used surface use and compensation agreeme operations to the extent the damages are consequent to the surface owner at the address land.	for the drilling of a horizontal well notice of y of this code section; (2) The information ose land will be used in conjunction with the ont containing an offer of compensation for appensable under article six-b of this chapter
	ss listed in the records of the sheri		
at the addre	The state of the state of the price.	it at the time of hotice).	
Vame: Wheeling	g Power Company	Name:	
Name: Wheelin	g Power Company verside Place		
Name: Wheelin Address: 1 Ri Columbus, OH 4  Notice is her Pursuant to V	g Power Company verside Place 3125  reby given: Vest Virginia Code § 22-6A-16(c)	Name: Address:  , notice is hereby given that the undersigned	well operator has developed a planned
Name: Wheelin Address: 1 Riccolumbus, OH 4 Notice is her Pursuant to Noperation or State: County:	g Power Company verside Place 3125  reby given: Vest Virginia Code § 22-6A-16(c)	Name: Address:	act of land as follows: 531,784.429
Name: Wheelin Address: 1 Riccolumbus, OH 4 Notice is her Pursuant to Viperation or State: County: District:	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the p	Name: Address:  O, notice is hereby given that the undersigned purpose of drilling a horizontal well on the tree to the control of the contro	act of land as follows: 531,784.429 4,428,552.040
Name: Wheelin Address: 1 Richard Columbus, OH 4 Notice is her Pursuant to Veperation or State: County: District: Quadrangle:	g Power Company verside Place 3125  reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the p  WV  Marshall Sand Hill	Name: Address:  O, notice is hereby given that the undersigned purpose of drilling a horizontal well on the tree to the control of the contro	act of land as follows: 531,784.429 4,428,552.040 Grandstaff Run Road
Name: Wheelin Address: 1 Ricolumbus, OH 4 Notice is her Pursuant to Noperation or State: County: District: Quadrangle: Watershed: This Notice Pursuant to No be provided a provi	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the pww Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling  Shall Include: Vest Virginia Code § 22-6A-16(c) ed by W. Va. Code § 22-6A-10(e) ell; and (3) A proposed surface us ted by oil and gas operations to the related to horizontal drilling may a located at 601 57th Street, SE,	Name: Address:  O, notice is hereby given that the undersigned purpose of drilling a horizontal well on the tree to the control of the contro	act of land as follows:  531,784.429  4.428,552.040  Grandstaff Run Road  BW EDGE  5 code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional V Department of Environmental Protection
Name: Wheelin Address: 1 Ricolumbus, OH 4 Notice is her Pursuant to Verenation or State: County: District: Quadrangle: Watershed: Pursuant to Verenation to be provided for izontal warface affect information and adquarters as /pages/de	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the pww Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling  Shall Include: Vest Virginia Code § 22-6A-16(c) ell; and (3) A proposed surface us ted by oil and gas operations to the related to horizontal drilling may located at 601 57th Street, SE, fault.aspx.	Name: Address:    Address:	act of land as follows:  531,784.429  4,428,552.040  Grandstaff Run Road  BW EDGE  s code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional V Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Name: Wheelin Address: 1 Ricolumbus, OH 4 Notice is her Pursuant to Noperation or State: County: District: Quadrangle: Watershed: Pursuant to No be provide pr	reby given: Vest Virginia Code § 22-6A-16(c) the surface owner's land for the pww Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling  Shall Include: Vest Virginia Code § 22-6A-16(c) ell; and (3) A proposed surface us ted by oil and gas operations to the related to horizontal drilling may located at 601 57th Street, SE, fault.aspx.	Name: Address:  Address:  O, notice is hereby given that the undersigned purpose of drilling a horizontal well on the tree transport of tree transport o	act of land as follows:  531,784.429  4.428,552.040  Grandstaff Run Road  BW EDGE   Grode section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201

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THICK of Oil and Gas MAR 7 2025 WV Department of Environme 04/11/20

# 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 Date of Notic	Requirement: Notice shall be provided at le e: O6/24/2024 Date Perm	east TEN (10) days prior to faling a it Application Filed:	
Delivery met	hod pursuant to West Virginia Code § 22-	-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		ESTED	
receipt request drilling a hore of this subsect subsection materials and if availab	V. Va. Code § 22-6A-16(b), at least ten days sted or hand delivery, give the surface owner izontal well: <i>Provided</i> , That notice given pution as of the date the notice was provided to be waived in writing by the surface owner le, facsimile number and electronic mail add	r notice of its intent to enter upon the ursuant to subsection (a), section to the surface owner: <i>Provided, how</i> . The notice, if required, shall includes of the operator and the operator	the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number.
	reby provided to the SURFACE OWN REDITH A TRUST, In Care of: SNYDER CAROL	VER(s):	
Address: 4206		Address:	
CAPE CORAL FL		riddiess:	
the surface own State: County: District:	when's land for the purpose of drilling a horiz WV Marshall Sand Hill	UTM NAD 83 Easting: Northing: Public Road Access:	531,784,429 4,428,552.040 Grandstaff Run Road
Quadrangle:	Wheeling, WV-OH	Generally used farm name:	BW EDGE
Pursuant to V facsimile nun related to hor	Shall Include: West Virginia Code § 22-6A-16(b), this nonber and electronic mail address of the opizontal drilling may be obtained from the S 57th Street, SE, Charleston, WV 25304 (30)	erator and the operator's authorized ecretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters,
	reby given by:		
	SWN Production Company, LLC	Authorized Representative: Address:	Reid Croft
Address:	1300 Fort Pierpont Dr., Suite 201		1300 Fort Pierpont Dr., Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
Telephone:	304-231-8329	Telephone:	304-231-8329
Email: Facsimile:	reid_croft@swn.com	Email: Facsimile:	reid_croft@swn.com

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## STATE OF WEST VIRGINIA 47 0 5 1 0 2 5 3 7

# DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Noti	ce: 06/24/2024 Date Per	mit Application		3 u	
Delivery me	thod pursuant to West Virginia Co	ode § 22-6A-16(c	)		
■ CERTI	FIED MAIL	☐ HAND			
	RN RECEIPT REQUESTED	DELIVER	v		
KETC	KI KECEH I KEQOESTED	DELIVER	. 1		
return receipt the planned required to be drilling of a damages to the (d) The notice of notice.	t requested or hand delivery, give the operation. The notice required by e provided by subsection (b), section horizontal well; and (3) A proposed he surface affected by oil and gas opes required by this section shall be g	e surface owner we this subsection slaten of this article d surface use and erations to the ext given to the surface	whose land hall include to a surfal compensate the darket the darket.	will be used for e: (1) A copy ce owner whose ation agreement mages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	reby provided to the SURFACE O' ss listed in the records of the sheriff a		ce):		
Name: FOLMA	R EDITH A TRUST, In Care of: SNYDER CAROL		Name:		
Address: 4206			Address		
CAPE CORAL FI	33914				
State: County:	the surface owner's land for the pur WV Marshall		M NAD 83	Easting:	531,784.429 4,428,552,040
District:	Sand Hill		lic Road A		Grandstaff Run Road
Quadrangle:	Wheeling, WV-OH	Gen	erally used	d farm name:	BW EDGE
Watershed:	Grandstaff Run of Wheeling				
Pursuant to V to be provide	ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use a	to a surface own and compensation	ner whose agreemen ges are con	land will be ut t containing ar inpensable und	code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the ler article six-b of this chapter. Additional
surface affectinformation i	related to horizontal drilling may be located at 601 57th Street, SE,	e obtained from t	25304 (:	304-926-0450)	Department of Environmental Protection or by visiting <a href="https://www.dep.wv.gov/oil-and-output/">www.dep.wv.gov/oil-and-output/</a>
surface affectinformation in the headquarters, gas/pages/def	related to horizontal drilling may be located at 601 57th Street, SE, fault.aspx.	e obtained from t Charleston, WV	25304 (independent of the secretary and secr	1300 Fort Pierpont I	or by visiting www.dep.wv.gov/oil-and-
surface affectinformation in headquarters, gas/pages/def Well Operato	related to horizontal drilling may be located at 601 57th Street, SE, fault.aspx.	e obtained from t Charleston, WV	25304 (3	304-926-0450)	or by visiting <u>www.dep.wv.gov/oil-and-</u> Or., Suite 201
surface affect information in headquarters,	related to horizontal drilling may be located at 601 57 <sup>th</sup> Street, SE, fault.aspx.	e obtained from t Charleston, WV	25304 (3	304-926-0450)	or by visiting <u>www.dep.wv.gov/oil-and-</u> Or., Suite 201

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.

MAR 7 2025

MAR 7 2025

Wy Department of Protection Envi027/11/2025

4705102537

# 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.

HAND DELIVER	•	o West Virginia Code	§ 22-6A-16(b)		
DELIVER Pursuant to W.					
DELIVER Pursuant to W.		CERTIFIED MAIL			
Pursuant to W.		RETURN RECEIPT R	EQUESTED		
drilling a horiz of this subsecti subsection may and if available	ed or hand delicontal well: $Pr$ on as of the day be waived in e, facsimile nur	very, give the surface of ovided. That notice give te the notice was provide writing by the surface of the and electronic main the surface of the surface the br>the surface the surface the the surface the surface the the surface the the surface the br>the surfac	owner notice of its intent to enter upon the pursuant to subsection (a), section to ded to the surface owner: <i>Provided, how</i> owner. The notice, if required, shall included address of the operator and the operator	0.34.4260.44.44.44.40.4	
Name: Barbara A		to the SURFACE C	Name:	RECEIVED Office of Oil and Gas	
Address: 1116 V			Address:	Office of Oil area	
Martins Ferry, OH		-	Tradition.	7 2025	
County:	reby given:  lest Virginia Code § 22-6A-16(b), notice is horer's land for the purpose of drilling a horizo  WV  Marshall  Seed Mill		UTM NAD 83 Easting: Northing:	4,428,552.040	
District: Sand Hill		Public Road Access:	Grandstaff Run Road		
Quadrangle:	Wheeling, WV-OH		Generally used farm name:	BW EDGE	
Watershed:	Grandstaff Run of V	Vheeling			
Pursuant to W facsimile number related to horiz	ber and electro	ode § 22-6A-16(b), the nic mail address of the may be obtained from	e operator and the operator's authorize the Secretary, at the WV Department o	ress, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.	
Notice is her	eby given by:				
Well Operator:	SWN Production	Company, LLC	Authorized Representative:	Reid Croft	
Address:	1300 Fort Pierpont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201		
	Morgantown, WV 26508			Morgantown, WV 26508	
Telephone:	304-231-8329		Telephone:	304-231-8329	
Email: Facsimile:	reid_croft@swn.com		Email: Facsimile:	reid_croft@swn.com	

### 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 <a href="deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

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

Delivery me	thod pursuant to West Virginia (	Code § 22-6A-16(c	)		4705102537	
■ CERTI	FIED MAIL	☐ HAND				
	RN RECEIPT REQUESTED	DELIVER	RY			
			~··			
return receipt the planned or required to be drilling of a damages to the	t requested or hand delivery, give to operation. The notice required by e provided by subsection (b), section horizontal well; and (3) A propose the surface affected by oil and gas of	he surface owner way this subsection slop ten of this article ed surface use and operations to the ext	whose land hall include to a surfal compensitent the da	will be used for de: (1) A copy ace owner whos ation agreement mages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time	
	eby provided to the SURFACE (					
	ss listed in the records of the sherift	at the time of notice				
Address: 1116	Name: Barbara Ann & William F. Edge			Name:		
	virginia Street		Address			
Notice is her Pursuant to V	reby given: Vest Virginia Code § 22-6A-16(c),	notice is hereby given as of drilling a	Address	e undersigned	well operator has developed a planned	
Notice is her Pursuant to V operation on State:	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property.	urpose of drilling a	ven that th	e undersigned well on the tra	act of land as follows: 531,784.429	
Notice is her Pursuant to V operation on State: County:	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the	urpose of drilling a UTI	ven that th horizontal M NAD 83	e undersigned well on the tra Easting: Northing:	531,784.429 4,428,552.040	
Notice is her Pursuant to V operation on State: County: District:	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the	urpose of drilling a UTI Pub	ven that th horizontal M NAD 8:	e undersigned of well on the tra Easting: Northing:	act of land as follows: 531,784.429	
Notice is her Pursuant to V operation on State: County:	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the	urpose of drilling a UTI Pub	ven that th horizontal M NAD 8:	e undersigned well on the tra Easting: Northing:	10t of land as follows: 531,784.429 4,428,552.040 Grandstaff Run Road	
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to V to be provide horizontal we surface affect information of the state of	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the surface owner's land for the land owner's land for the land owner's land for the property owner's l	this notice shall in a surface own and compensation the extent the damage be obtained from the control of the c	ven that the horizontal M NAD 8: olic Road Amerally use neclude: (1) ner whose a agreement ges are cothe Secreta	e undersigned a leasting:  Northing: Access: d farm name:  A copy of this land will be understand arm, at the WV	10t of land as follows: 531,784.429 4,428,552.040 Grandstaff Run Road	
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed:  This Notice ! Pursuant to V to be provide horizontal we surface affect information in headquarters, gas/pages/def	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the surface owner's land Hill Wheeling Wy-OH Grandstaff Run of Wheeling  Shall Include: West Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface used the surface of the surface owner's land for the property of the surface owner's land for the surface ow	this notice shall in to a surface own and compensation he extent the damage be obtained from the Charleston, WV	ven that th horizontal M NAD 8: olic Road A herally use nelude: (1) her whose agreement ges are co the Secreta 25304 (	e undersigned well on the tra Easting: Northing: Access: d farm name:  A copy of this land will be understand arm of the will be understand arm, at the WV 304-926-0450)	act of land as follows:  531,784,429  4,428,552,040  Grandstaff Run Road  BW EDGE   code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-	
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed:  This Notice S Pursuant to V to be provide horizontal we surface affec information in headquarters, gas/pages/def	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the surface owner's land land gand land gas operations to the surface of the land gas operations to t	this notice shall in to a surface own and compensation he extent the damage be obtained from the Charleston, WV	ven that the horizontal M NAD 8: olic Road Amerally use neclude: (1) ner whose a agreement ges are cothe Secreta	e undersigned well on the tra 3 Easting: Northing: Access: d farm name:  A copy of this land will be understable understable understable will ary, at the WV 304-926-0450)	act of land as follows:  531,784,429  4,428,552,040  Grandstaff Run Road  BW EDGE   code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201	
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice Sursuant to V to be provide horizontal we surface affect information in headquarters,	reby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the property of the surface owner's land Hill Wheeling Wy-OH Grandstaff Run of Wheeling  Shall Include: West Virginia Code § 22-6A-16(c), ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface used the surface of the surface owner's land for the property of the surface owner's land for the surface ow	this notice shall in a this notice shall in a surface own and compensation he extent the damage be obtained from the Charleston, WV	ven that th horizontal M NAD 8: olic Road A herally use nelude: (1) her whose agreement ges are co the Secreta 25304 (	e undersigned well on the tra Easting: Northing: Access: d farm name:  A copy of this land will be understand arm of the will be understand arm, at the WV 304-926-0450)	act of land as follows:  531,784,429  4,428,552,040  Grandstaff Run Road  BW EDGE   code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201	

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 RECEIVED and G 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.

MAR 7 2025 repartition of Environmental Protection



### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

# Division of Highways Office of the District Engineer/Manager

District Four Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E. Deputy Secretary of Transportation Deputy Commissioner of Highways Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

September 5, 2024

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 BW Edge Well Pad, Marshall County BW Edge MSH 8H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2015-0140 which has been issued to SWN Production Company, LLC for access to the State Road for a well site located off Marshall County Route 5/1 SLS MP 0.90.

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

Hacy D. Pratt

Office of Oil and Gas

MAR 7 2025

WV Department of Environmental Protection

Cc: Brittany Woody

**SWN Production Company, LLC** 

OM, D-6

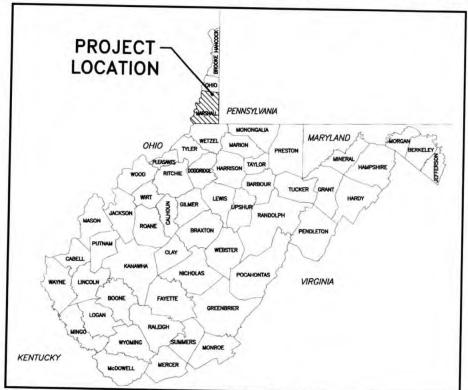
File

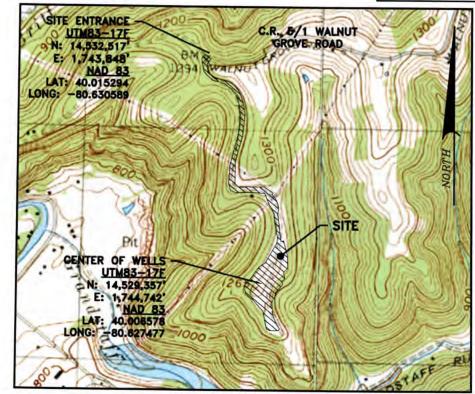
Product Name	Product Use	Chemical Name	CAS Number
HCL	Solvent	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
FSTI-CI-02	Corrosion Inhibitor	2-Butoxyethanol	111-76-2
		Ethylene glycol	107-21-1
		N,N-Dimethylformamide	68-12-2
		benzyl chloridequaternized	72480-70-7
		Cinnamaldehyde	104-55-2
		Isopropyl alcohol	67-63-0
		Poly(oxy-1,2-ethanediyl), .alpha(nonylphenyl)omegahydroxy-	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		
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
Trendra 05511111	Scare ministro	Water	7732-18-5
Plexslick V996	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
FIEXSIICK V330	Friction Reducer		
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Sodium Chloride	7647-14-5
Plexaid 655WG	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
		Glycerin	67-56-1
Clearal 270	Biocide	Glutaraldehyde	111-30-8
		Didecyldimethylammonium Chloride	7173-51-5
		Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
StimSTREAM SC 398 CW	Scale Inhibitor	Ethylene glycol	107-21-1
SUITSTILLAIVI SC 330 CVV	Scale minibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	
		- COUNTY OF COUNTY OF THE STATE	CHEMSTREAM-Polymer-10002
		Water  Chemstream-Alkane-00001  Chemstream-Polymer-00001  Ethoxylated alcohols (C12-16)  Water  RECEIVED  RECEIVED  And GREEN  RECEIVED  AND TO THICK TO THICK THE POLYMER TO THE PO	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 7 2023	7732-18-5
StimSTREAM FR 2800	Friction Reducer	Distillates (petroleum), hydrotreated light  Alcohols, C11-14-iso, C13-rich, ethoxylated	64742-47-8
		Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9
		Water Orote	7732-18-5
StimSTREAM FR 9725	Friction Reducer	Distillates (petroleum), hydrotreated light Alcohols, C11-14-iso, C13-rich, ethoxylated Water Distillates (petroleum), hydrotreated light Ammonium Chloride Water	64742-47-8
		Ammonium Chloride	12125-02-9
		Water	7732-18-5
StimSTREAM SC 398 C	Scale Inhibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
JUIND I NEWIN DC 220 C	Jeale Illinoitor	- 1. (1. (1. (1. (1. (1. (1. (1. (1. (1.	
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5

OPERATOR: SWN Production Co., LL	.C WELL NO: BW Edge MSH 8H
PAD NAME: BW Edge MSH	
REVIEWED BY:	SIGNATURE: BIHMILY NOODLY
WELL RESTR	ICTIONS CHECKLIST
HORIZO	ONTAL 6A WELL
Well Restrictions	* Pad Built 8/1/15
At Least 100 Feet from Pad and I Perennial Stream, Lake, Pond, Ro	
At Least 300 Feet from Pad and I Naturally Producing Trout Stream  DEP Waiver and Permit C	
At Least 1000 Feet from Pad and Groundwater Intake or Public Wa	
At Least 250 Feet from an Existing Drilled; OR	ng Water Well or Developed Spring to Well Being
Surface Owner Waiver ar  DEP Variance and Permit	nd Recorded with County Clerk, OR  RECEIVED  RECEIVED  AND
At Least 625 Feet from an Occup	pied Dwelling Structure to Center of the Pad; OR Protection Environmental Protection
DEP Variance and Permit	nd Recorded with County Clerk, OR t Conditions
At Least 625 Feet from Agricultu of the Pad; OR	ural Buildings Larger than 2500 Square Feet to the Center
Surface Owner Waiver an	nd Recorded with County Clerk, OR
DEP Variance and Permit	t Conditions

# **AS-BUILT SITE PLAN B&W EDGE MSH PAD** SAND HILL DISTRICT, MARSHALL COUNTY, WV







### COUNTY MAP

### CALL BEFORE Dial 811 or YOU DIG! 800.245.4848

AT LEAST 48 HOURS, BUT NOT MORE THAN 10 WORKING DAYS (EXCLUDING WEEKENDS AND HOLIDAYS), PRIOR TO TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THESE ACTIVITIES SHALL CONTACT MISS UTILITY OF WEST VIRGINIA AT 811 OR 1-800-245-4848. Southwestern Energy®

### **OPERATOR**

SWN PRODUCTION CO., LLC ATTN: DEE SOUTHALL P.O. BOX 1300 JANE LEW, WV 26378 (832) 796-1614

### SITE DATA

TOTAL DISTURBED AREA: 13.88 ACRES ROAD DISTURBED AREA: 7.30 ACRES PAD DISTURBED ACRES: 6.58 ACRES ACCESS ROAD LENGTH: 3,800' ACCESS ROAD AVERAGE WIDTH: 18' WELL PAD ELEVATION: 1254.0'

(1.7 AC ROAD, 0.5 AC PAD)

### API\_NUMBERS

WELL NUMBER AS-BUILT 5H

NUMBER API 051-01845 API 051-01843

CELLAR DIAMETER DEPTH MATERIAL 8 FT

### LOCATION MAP

### LIST OF DRAWINGS

EP2.1 COVER SHEET

EP2.1 EVACUATION ROUTE / PREVAILING WINDS

EP2.2 EVACUATION ROUTE / PREVAILING WINDS

ASS 1 AS3.1 . . . . . . AS-BUILT OVERALL SITE PLAN AS3.2-AS3.5 . . . AS-BUILT SITE PLAN - ACCESS DRIVE AS3.5 . . . . . . AS-BUILT SITE PLAN - WELL PAD CRA4.1-CRA4.2 . . ACCESS ROAD PROFILE CRA4.3 . . . . . . WELL PAD CROSS SECTIONS MRP5.1 . . . . . . OVERALL RECLAMATION PLAN MRP5.2-MRP5.5 . . RECLAMATION PLAN MRD6.1-MRD6.3. . DETAILS

TS1.1

AS SHOWN

DATE: \_\_ SCALE: \_ DWG. NC

84:

AD

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COVER SHEET FOR GE ŏ ū