

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

Permit approval for BW Edge MSH 210H Re:

47-051-02536-00-00

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 210H

Farm Name:

William F Edge, Jr. & Barbara

U.S. WELL NUMBER:

47-051-02536-00-00

Horizontal 6A New Drill

Date Issued: 4/7/2025

API Number: 47-051-02536

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.

API NO. 47- 051
OPERATOR WELL NO. BW Edge MSH 210H
Well Pad Name: BW Edge MSH

4705102536

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

) Well Operator:	SWN Produc	ction Co., LLC	494512924	051-Marshal 6-	Sand 🖁 674- Wheeling
, p			Operator ID	•	istrict Quadrangle
2) Operator's Well	Number: BW	Edge MSH 210	OH Well Pac	Name: BW Edg	e MSH
) Farm Name/Surf	ace Owner: <u></u>	illiam F. Edge, Jr. & Barbara Edge- Tod	Public Roa	d Access: Big Wh	neeling Creek Road
Elevation, curren	it ground: 1	254 ' El	evation, proposed	post-construction:	1254'
i) Well Type (a) Oth	Gas <u>x</u> ner	Oil	Unde	erground Storage	
(b)1	If Gas Shall	low X zontal X	Deep		
6) Existing Pad: Ye		2011tai <u>* </u>		_	
7) Proposed Target	Formation(s),	, Depth(s), Antic o the South, Target Top	ripated Thickness a	and Expected Press /D- 6665', Anticipated Thick	SUre(s): ness- 52', Associated Pressure- 4332
B) Proposed Total V	Vertical Depth	: 6645'			
) Formation at Tot		N.A 11	5		
0) Proposed Total	Measured De	pth: 34493'			
11) Proposed Horiz	contal Leg Ler	ngth: 25,660.8	3'		
12) Approximate F	resh Water St	rata Depths:	615'	·- <u>·</u>	
13) Method to Dete		atter Beptilier	Nearby Water We		<u> </u>
14) Approximate S	altwater Deptl	hs: 1386' Salin	ity Profile Analysis		
15) Approximate C	Coal Seam Dep	oths: 744'			
16) Approximate D	epth to Possib	ble Void (coal m	ine, karst, other):	None that we are	aware of.
17) Does Proposed directly overlying of			ms Yes	No <u>×</u>	
(a) If Yes, provid	e Mine Info:	Name:			MECEIVED HAND GAR
(, 1. 130, p. 01.	 •	Depth:			7 2025
		Seam:			MAR
		Owner:			Environmental Protection
					Environino

Ster about or 7/11/2024

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OPERATOR WELL NO. BW Edge MSH 210H

Well Pad Name: BW Edge MSH

18)

CASING AND TUBING PROGRAM

4705102536

TYPE	Size (in)	New or Used	<u>Grade</u>	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 HP	20#	34493'	34493'	Tail 6598sx/ 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	<u> </u>						
Liners							

PACKERS

Kind:	HEGENT Oil and Ga
Sizes:	MAR 7 2025
Depths Set:	Protection Environmental Protection

Stephen were

WW-6B
(10/14)

API NO. 47- 051 OPERATOR WELL NO. BW Edge MSH 210H
Well Pad Name: BW Edge MSH

4705102536

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

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 13.88
- 22) Area to be disturbed for well pad only, less access road (acres): 6.58
- 23) Describe centralizer placement for each casing string:

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

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

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See Attachment ***

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25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

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			CEMENT A	DDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER)	\	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	\bigvee	INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
us to 3%	\$001	A-7P	CJIIO	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
43.000	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	0047	FP 28L	$>\!\!<$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERNACIONAL	$>\!\!<$	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
INTERMEDIATE	CemNet	>	\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
		$\overline{}$	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		\times	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
			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	\times	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	\times	CEMENT RETARDER (Mid-Temperature)	SODIUM LIGNOSULFONATE	8061-51-6 EIVED

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MAR 7 2025

WV Department of Environmental Protection

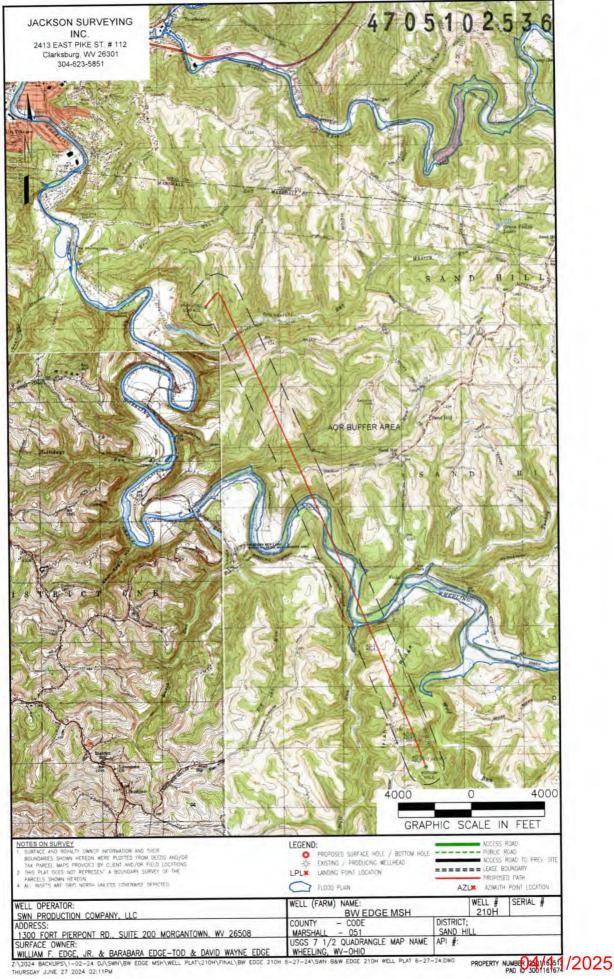
Proposed Drilling Program Southwestern Energy Company Drilling Rig: SDC 41 Well: **BW EDGE MSH 210H** Formation: **Marcellus Shale** Field: PANHANDLE FIELD WET wv State: County: MARSHALL -80.627540 Longitude SHL (NAD83): 40.006621 Latitude BHL (NAD83): 39.937381 Latitude -80.585780 Longitude 1,253 ft MSL KB Height: 27 ft AGL GL Elev: KB Elev: 1,280 ft MSL NO COAL VOID EXPECTED 136 ' to 820 ' Air/Mist PROD TOC @ 2,059 ' MD 820 ' to 2,079 ' Air/Mist **TUBULAR DETAIL** Casing Size Weight Grade Planned Interval **Casing String** (in) (Min) (Min) From 94.0# 136 2,079 to 5,803 Conductor 20 J-55 0' Air/Mist Surface/Coal 13.375 54.4# 0' 800 1-55 Intermediate 9.625 36.0# J-55 0' 2,059 Production 5,5 20.0 # P-110 HP 0' 34,493 **CEMENT DETAIL** Sacks Class Density Conductor 173 19.3 Surface 921 15.6 Intermediate 789 A/L 15.6 A/L 14.5-15.0 Production 6598 TD at 5,803 ' Freshwater Depth - 615 'TVD 5,803 to 6,854 KOP at 5,803 'MD Coal Depth - 744 'TVD 12.0-12.5 ppg Saltwater Depth - 1,386 'TVD TVD - 6,645 ' TMD - 34,493 ' TD at 34,493 'MD 6,378 ' TVD Target Center 6,645 'TVD LP at 6,854 ' MD Onondaga 6,669 'TVD 6,854 to 34,493 SHL Onondaga 6,402 'TVD 12.5-13.5 ppg Created by: Colin Kollker on 06/17/2024

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210H AOR

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	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
API	Alliance Petroleum LLC	Plugged	39.981795	-80.605738	361'	N/A	N/A
051-00836-P	Consolidation Coal Company	Plugged	39.941436	-80.590139	3,003'	Berea	N/A
051-00515-P	Consolidation Coal Company	Plugged	39.938483	-80.585204	2151'	3rd Sand	N/A
051-00518-P	SWN Production Company, LLC	Active	39.930785	-80.578711	6,611'	Marcellus	N/A
051-01743	Sayla Production Company, Ecc	7.00146					· · · · · · · · · · · · · · · · · · ·

WW-9 (4/16)

API Number 47 - 051

Operator's Well No. BW Edge MSH 210H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

	OP Code 494512924
Operator Name_SWN Production Co., LLC (Watershed (HUC 10)_Grandstaff Run of Wheeling Creek Quadrangle W	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well	l work? Yes 🗸 No
Will a pit be used? Yes No ✓	
If so, please describe anticipated pit waste:	
	, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
 Underground Injection (UIC Permit Number Various App 	proved Facilities
■ Reuse (at API Number At the next anticpiated well	
Off Site Disposal (Supply form WW-9 for disposal location of the Carplain recovery and solidification on site	non)
Other (Explain_recovery and solidification on site	
Will closed loop system be used? If so, describe: Yes- See Attachment 3A	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater,	, oil based, etcAir 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, etclandfill	
-If left in pit and plan to solidify what medium will be used? (cement, lime	
Landfill or offsite name/nermit number? Meadowfill SWF- 1032, Short Creek SWF-1	1034, Carbon Limestone MSWL018781, Wetzel County 1021
Andy Sanitary Landfill Un-U8438, Brooke CO SVF-1013, FIVIS	333100
Permittee shall provide written notice to the Office of Oil and Gas of any load of dri West Virginia solid waste facility. The notice shall be provided within 24 hours of r where it was properly disposed.	rejection and the permittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GE on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department o provisions of the permit are enforceable by law. Violations of any term or condit law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am 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 openalties for submitting false information, including the possibility of fine or imprise Company Official Signature	f Environmental Protection. I understand that the tion of the general permit and/or other applicable familiar with the information submitted on this of those individuals immediately responsible for complete. I am aware that there are significant
	Office of Comments
Company Official (Typed Name) Brittany Woody	MAR 7 2023
Staff Pagulatory Specialist	The second secon
Company Official Title Staff Regulatory Specialist	
	www.mental Protection
Subscribed and sworn before me this day of May	, 20 24 Environmental Protection
1/1 1/0./	Notary Punc
1/1 1/0./	, 20 24 Environmen

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Operator's Well No. BW Edge MSH 210H

roposed Revegetation Treatment: Acres Disturbe	d_13.88	Prevegetation pl	I
Limeas determined by pH test min.2 Tons/acre or to c			
Fertilizer type 10-20-20			
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
Maps(s) of road, location, pit and proposed area for ovided). If water from the pit will be land applied	or land application (unlesed, include dimensions (I	s engineered plans inclu x W x D) of the pit, an	ding this info have been d dimensions (L x W), an
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. Photocopied section of involved 7.5' topographic section.	ed, include dimensions (I	x W x D) of the pit, an	ding this info have been d dimensions (L x W), an
Attach: Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic section applied to the land application area.	ed, include dimensions (I	x W x D) of the pit, an	ding this info have been d dimensions (L x W), an
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied creage, of the land application area. Photocopied section of involved 7.5' topographic section Approved by:	ed, include dimensions (I	x W x D) of the pit, an	d dimensions (L x w), an
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied creage, of the land application area. Photocopied section of involved 7.5' topographic section Approved by:	ed, include dimensions (I	x W x D) of the pit, an	RECEIVED OF Oil and God
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Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic section applied to the land application area.	STRADER COUNTY	x W x D) of the pit, an	RECEIVED OHICE OF OH AND A

CLOSED LOOP SYSTEM

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

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

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

AIR DRILLING INTERVALS

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

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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

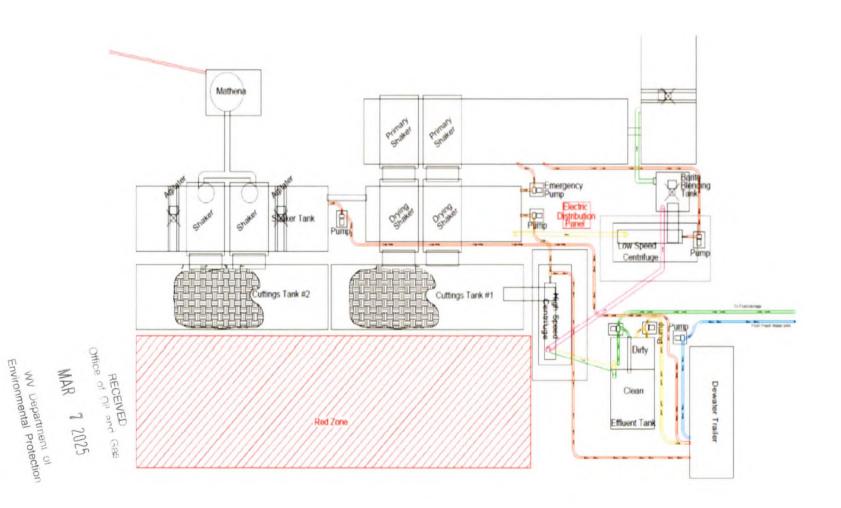
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WV Department of Environmental Protection

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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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 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			

|--|

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 Organi	ic 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

Seed Mixture: Wetl	and Mix		SWN S	upplied
VA Wild Ryegrass			20%	
Annual Ryegrass			20%	
Fowl Bluegrass			20%	
Cosmos 'Sensation'			10%	
Redtop	叮		5%	4
Golden Tickseed	WW	S	马马 5%	7
Maryland Senna	מחח	D	₹ 5%	0
Showy Tickseed	lent	~	₹ 5%	S
Fox Sedge	Deparmental Prof	27	5% 5% 5% 5% 5% 5% 2.5%	
Soft Rush	WY DEPARTMENT OF Environmental Protection	MAR 7 2025	2.5%	0
Woolgrass	ctic		2.5%	N
Swamp Verbena	Ä		2.5%	U
7.7	25lbs per acre th- Oct. 14th			Apply @ 50lbs per acre Oct. 15th- April 15th
	NO FERTILIZE	RORIII	ME INSIDE WET	IANDLIMITS

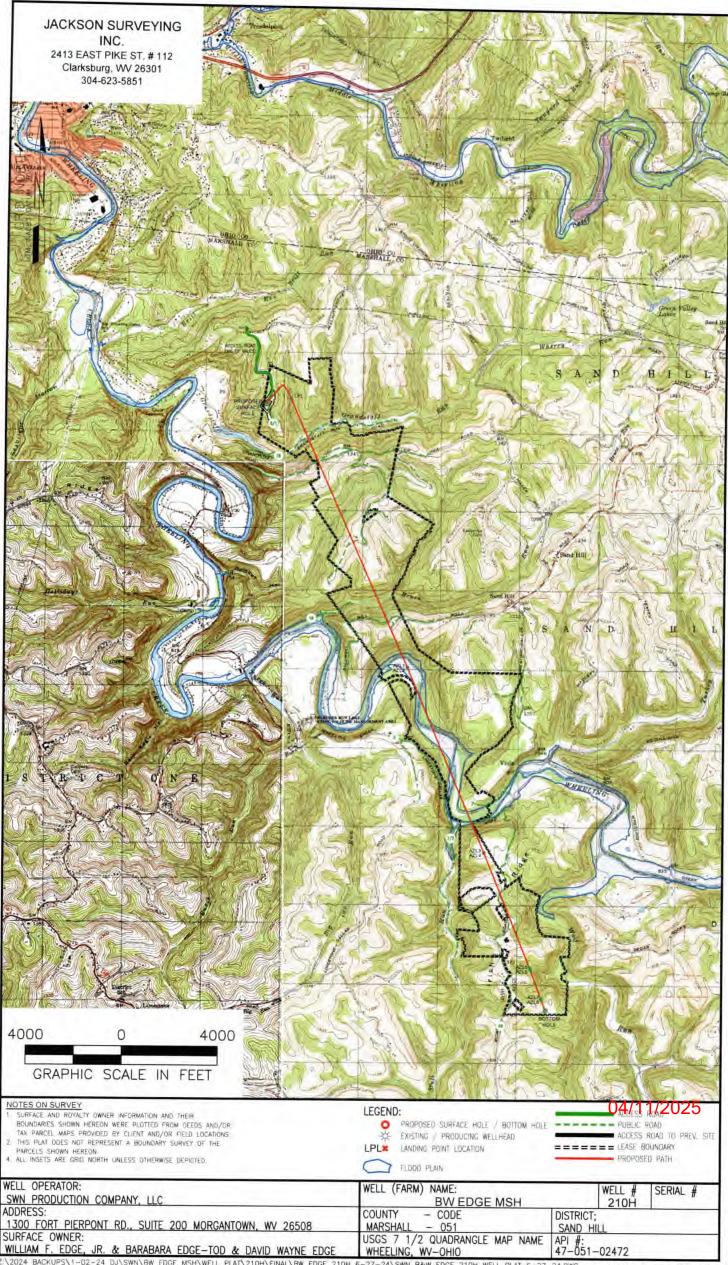
MARCELLUS WELL DRILLING PROCEDURES AND 4705102536 WELL SITE SAFETY PLAN



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

API NO. 47-XXX-XXXXX
WELL NAME: BW Edge MSH 210H
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	
Approved by:		
Name: St. Com	Date: 7/11/2024	
Title: O'l + Gas Inspector	_	
Approved by:		Office of Oil and Gas
Name:	Date:	MAR 7 2025
Title:	_	WV Department of Environmental Protection

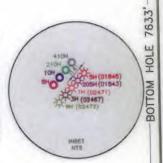


JACKSON SURVEYING INC.

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

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081	l
2 × 1	
OBI	V
	1
ZA	1
JTM.	1
	GRID NORTH OF THE LAW, TONE 17, US FT

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
11	N 04'18'09" E	1632.24	SHL TO LANDMARK	5/8" REBAR
L2	N 62'37'53" E	1997.74'	SHL TO LANDMARK	5/8" REBAR
14	S 23'21'59" E	57.87	AZL2 TO AZL3	
L5	S 22"26"47" E	37_11'	AZL3 TO AZL4	
1.6	S 21"15"59" E	81.75	AZL5 TO AZL6	
L7	S 20'27'04" E	1270.75	AZL6 TO AZL7	
L8	S 20'42'08" E	26.14	AZL7 TO AZL8	
L9	S 20'57'40" E	493.02	AZL8 TO BHL	
LINE	BEARING	DISTANCE		DESCRIPTION
L3	S 75'27'22" E	1040.14	1,040.99	SHL TO LPL



UTM (NAD83,	ZONE	17,	METERS):
NORTHING: 4,	428,558	3.47	7
EASTING: 531			

TM (NAD83, ZONE 17, 1 IORTHING: 4,428,638.091 ASTING: 532,096.910

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS): NORTHING: 4,420,889.249 EASTING: 535,390.031



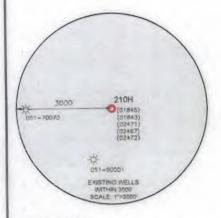


80.37

BHL

12767

HOLE



WELL RESTRICTIONS

NO OCCUPIED OWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.

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

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

NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.

NO NATURALLY PROPULITION TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR

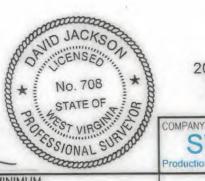
NOTES ON SURVEY

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 CUENT AND/OR FIELD LOCATIONS.

2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE
PARCELS SHOWN HEREON.
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 ISSUED
AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



2000 0 2000 IN FEET GRAPHIC SCALE

David L Jacks

DEGREE OF

OPERATOR'S WELL #:

SWN

Production Company, LLC Production Company™

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

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

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

210H

BW EDGE MSH

API WELL #:

47 STATE

ELEVATION: 1253.7'

051 COUNTY

D2536 PERMIT

WELL TYPE: OIL

WASTE DISPOSAL

PRODUCTION X DEEP GAS X

LIQUID INJECTION

STORAGE

QUADRANGLE: WHEELING, WV-OHIO

SHALLOW X

WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) DISTRICT: SAND HILL SURFACE OWNER: WILLIAM F. EDGE, JR. & BARABARA EDGE-TOD & DAVID WAYNE EDGE

COUNTY: MARSHALL

ACREAGE: ±87.8 ACREAGE: ±115.8

DRILL

DRILL DEEPER

REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION 04/11/2025

CONVERT

PLUG & ABANDON

OIL & GAS ROYALTY OWNER: JOSEPHINE FLETCHER

CLEAN OUT & REPLUG

OTHER CHANGE X (SPECIFY)

ESTIMATED DEPTH: 6,645' TVD 34,493' TMD

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

ADDRESS: 1300 FORT PIERPONT RD., SUITE 200 STATE: WV ZIP CODE: 26508

CITY: MORGANTOWN

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT RD., SUITE 200

ZIP CODE: 26508 STATE: WV

LEGEND:

PROPOSED SURFACE HOLE / BOTTOM HOLE

LPL# LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING

CITY: MORGANTOWN

EXISTING / PRODUCING WELLHEAD

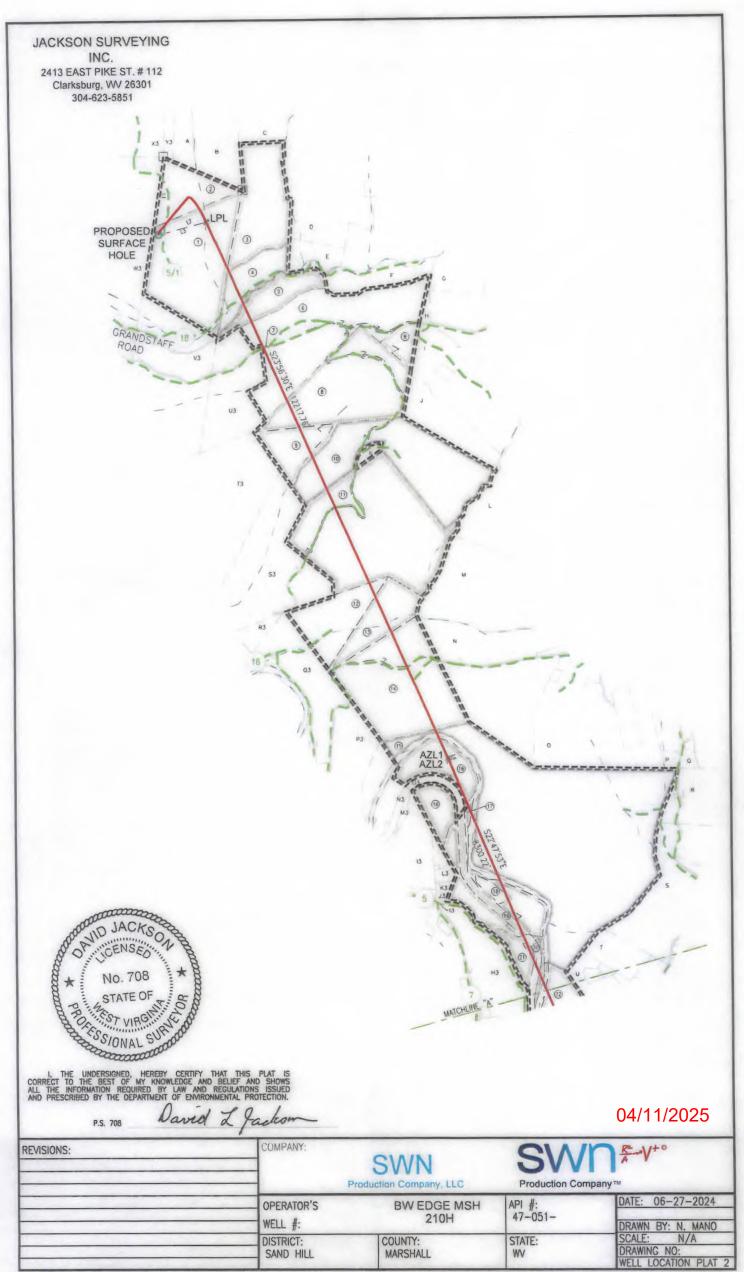
SURVEYED BOUNDARY

DRILLING UNIT = = = LEASE BOUNDARY - PROPOSED PATH

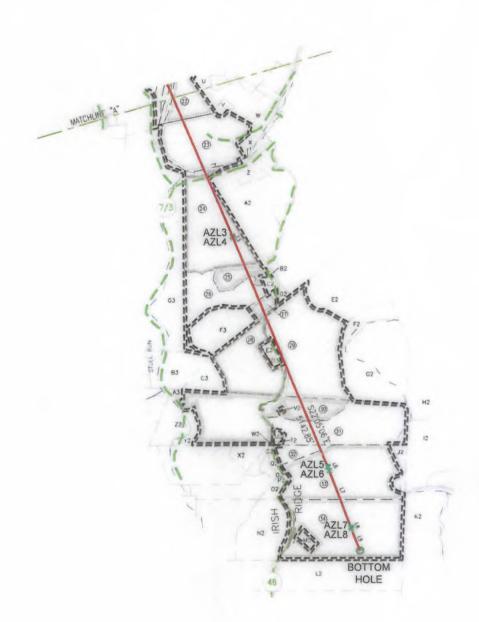
DATE: 06-27-2024 REVISIONS: DRAWN BY: N. MANO 2000 DRAWING NO WELL LOCATION PLAT

\2024 BACKUPS\1-02-24 DJ\SWN\BW EDGE MSH\WELL PLAT\210H\FINAL\BW EDGE 210H 6-27-24\SWN B&W EDGE 210H WELL PLAT 6-27-24.DWG

PROPERTY NUMBER 2501163512 PAD ID 3001161674



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 RESCRIPED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708 David L Jackson

04/11/2025

REVISIONS:	COMPANY:	SWN Production Company, LLC	SW Production Co	mpany™
	OPERATOR'S WELL #:	BW EDGE MSH 210H	API #: 47-051-	DATE: 06-27-2024 DRAWN BY: N. MANO
	DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 3

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 JR & BARBARA ANN - TOD & DAVID WAYNE EDGE (S)/ FLETCHER JOSEPHINE (R)	12-9-8
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	WHEELING POWER COMPANY (S)	12-9-8.1
3	WV BRIGHTMONT, LLC (5)	12-2-14
4	ISALY ROBERT A SR EST (S)	12-2-13
5	GIBSON WILLIAME (S)	12 9 12
6	PORTER CARLAS (S)	12-9-13
7	WV DEPT OF HIGHWAYS (5)	MILLER HILL ROAD
8	MERINAR JAMES MARTIN ET UX (S)	12-9-15.1
9	MERINAR CALVIN C - LIFE (S)	12-9-15
10	MERINAR CALVIN C - LIFE(S)	12-9-16
11	MERINAR CALVIN C - LIFE (S)	12-9-18
12	MERINAR CALVIN C (S)	12-11-1
13	CLAYTON CHARLES W ET AL (S)	12-11-2
14	EQTTGHL EXPLORATION, LLC (S)	12 11 3
15	THOMAS RICHARD LEE BARTON (5)	12 11 16
16	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-8
17	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-12
18	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-12.2
19	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-13
20	ISKCON NEW MATHURA VRINDABAN (S)	15 1 14
21	ISKCON - NEW MATHURA VRINDABAN (S)	15-1-15
22	SWARTZEL MOSES D & LILA K (S)	12-16-2
23	MURPHY MARIAN (S)	12-16-2.2
24	MARKONICH RICHARD J (S)	15-3-2
25	BENNETT PATRICIA A (S)	15 3 25
26	BENNETT ROBERT A ET UX (S)	15-3-25.5
27	STRAUTMANN BONNIE L & JEFFREY (S)	15-3-25.2
28	GRIMMJOYCE E (S)	15 3 24
29	EBERT RENEE LYNN GRIMM (S)	15 3 21
30	GRIMMJOYCE E (S)	15 6 3
31	STROPE GARY ANTHONY [S]	15-6-5
32	STROPE ANTHONY (5)	15 6 6.5
33	ANGEL KYLEA (S)	15 6 6
34	BURKEY MICHAEL J & LINDA (S)	15 6 14

	ADJOINING OWNERS TABLE	
RACT	SURFACE OWNER	TAX PARCE
· A	WV BRIGHTMONT, LLC	12-1-15
В	WV BRIGHTMONT, LLC	12-1-16
C	EDGE WILLIAM F JR - TOD ET AL	12-2-15
D	LITMAN BARRY A & KIMBERLY S	12-2-10
E	G F P CORP	12-2-12
F	G F P CORP	12-2-7
G	TDL&G LLC	12-2-8
н	TOTH JOHN J SR & ALICE - TRUST	12-8-4.1
1	RICHEY RANDY ET UX	12-8-35
1	MERINAR CALVIN C - LIFE	12-8-34
K	MERINAR CALVIN C - LIFE	12-9-16.1
L	TOLAND WILLIAM E	12-8-33
M	TOLAND SONDRA J & WILLIAM E	12-9-17
N	TEMPLE TERRY L & BEVERLY J - TOD	12-11-4
0	GRAY DONALD G - TOD & GRAY WYATT MATTHEW	12-11-8
P	HILLBERRY PAUL E JR	12-11-9.3
0	LOUGHERY JAMES P JR & BROCK ROBIN M	12-11-9.2
R	JUNKINS RONALD DIR ET AL	12-11-15
S	CONSOLIAND DEVELOPMENT CO	12-16-18
T	KUPFER PHILLIP A	12-16-2.3
U	KING CHRISTOPHER I ET UX	12-16-4
V	MAYSHARK WILLIAM T	12-16-4.2
w	GIBSON COLEEN A	12-16-5
X	GIBSON COLEEN A	12-16-2.1
Y	ZACCHEUS PROPERTIES, LLC	15-3-4
Z	ISKCON - NEW MATHURA VRINDABAN	15-3-1
A2	MARKONICH RICHARD J	15-3-3
B2	LITTLE WILLIAM R	15-3-22
C2	BENNETT ROBERT E ET UX	15-3-25.3
D2	OHIO VALLEY HEART INSTITUTE INC - CAYTON STEVEN & JESSICA	15-3-25.1
E2	OHIO VALLEY HEART INSTITUTE INC - CAYTON STEVEN & JESSICA	15-3-20
F2	WHEELING CREEK WATERSHED COMM	15-3-19
G2	WHEELING CREEK WATERSHED COMM	15-3-18
H2	PACZEWSKI BETTY SUE & ALBERT J	15-3-17
12	PACZEWSKI BETTY SUE & ALBERT J	15-6-27
J2	WHEELING CREEK WATERSHED COMM	15-6-6.2
K2	FOSTER KERRY GLENN ET UX	15-6-24
L2	FITZSIMMONS MARK B & DEBORAH A - TOD	15-6-15

	ADJOINING OWNERS TABLE	
TRACT	SURFACE OWNER	TAX PARCEL
M2	BURKEY MICHAEL J & LINDA	15-6-14.1
N2	FITZSIMMONS KATIE L	15-6-13
02	FITZSIMMONS KATIE L	15-6-7
P2	FITZSIMMONS MARK B & DEBORAH A	15-6-6.4
Q2	ANGEL KYLEA J	15-6-6.3
R2	STROPE FAMILY TRUST ET AL	15-6-6.1
52	DUNLAP LARRY W & BARBARA	15-6-9.1
T2	STROPE ANTHONY	15-6-4
U2	ANDERSON JULIE A	15-6-5.1
V2	EBERT RENEE LYNN GRIMM	15-6-3.1
W2	FITZSIMMONS MARK B & DEBORAH A	15-6-9
X2	DUNLAP LARRY W & BARBARA E	15-6-9.2
Y2	FITZSIMMONS MARK B & DEBORAH A	15-6-2
72	GALL EDNA S & FRANK P LAUTAR	15-6-1
A3	GIVENS JASPER N	15-3-28
B3	SHIPLEY JAMES S	15-3-27
C3	SHIPLEY JAMES S	15-3-26
D3	GRIMMJOYCE E	15-3-24.1
В	PETHTEL JASON ET AL	15-3-23
F3	STRAUTMANN BONNIE & JEFF	15-3-25.4
G3	ANDERSON SARA JO	15-2-4
НЗ	ISKCON - NEW MATHURA VRINDABAN	15-1-16
13	ROSE TATIA JOSEPHINE	15-1-19
J3	BROWN ELEANORE	15-1-11
КЗ	ROSE TATIA JOSEPHINE	15-1-10
L3	PRETTYMAN JEREMY A & BETH A	15-1-19.1
M3	HICKEY GLENN M	15-1-6.1
N3	HICKEY GLENN M	15-1-7
03	ISKCON - NEW MATHURA VRINDABAN	15-1-9
P3	HICKEY GLENN M	12-10-8
Q3	MERINAR KENNETH LET AL	12-10-9
R3	MERINAR CALVIN C - LIFE	12-10-7
53	MERINAR CALVIN C - LIFE	12-9-19
T3	FISHER CHARLES B & CARLA S	12-9-20
U3	GRAY JOHN ALVIN EST	12-9-11
V3	ISALY ROBERT A SR EST	12-9-9
W3	FOLMAR EDITH A TRUST	12-1-19
Х3	SCHELLHASE MARK A ET UX	12-1-18
Y3	SCHELLHASE MARK A & ANDREA K	12-1-15.4

*Highlighted Parcels may be impacted during drilled.

04/11/2025

REVISIONS:	COMPANY:	SWN Production Company, LLC	SVV Production Con	mpany™
	OPERATOR'S WELL #:	BW EDGE MSH 210H	API #: 47-051-	DRAWN BY: N. MANO
	DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 4

Operator's Well No. BW Edge MSH 210H

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

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

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

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See Exhibit "A"

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Office of Oil and Gas

MAR 7 2025

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

WV Department of Environmental Protection

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

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

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

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

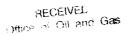
The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity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

Well Operator: SWN Production Company, LLC

By: Andrew Smith Only M. Suits

Its: Landman

Page 1 of _____



MAR 7 2025

EXHIBIT "A" BW Edge MSH 210H

Wy Department of Marshall County, West Virginia
Attached to and madenal particofathe seator 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. SW		SWN Production Company, LLC		33/110	
2	12-9-8.1	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	
3	12-2-14	Chester A. Giza, a widower	TriEnergy Holdings, LLC	at least 1/8th per WV Code §22-6-8	697/483	0.00%
		TriEnergy Holdings, LLC	NPAR, LLC		24/180	
		NPAR, LLC, Chief Exploration and Development, LLC, Radler 2000 Limited Partnership, and Enerplus Resources (USA) Corporation	Chesapeake Appalachia, L.L.C.		25/637	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
4	12-2-13	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	code 322 o o	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%

MAR 7 2025

EXHIBIT "A"

BW Edge MSH 210H

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 Environmental Protection

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		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 Cicuit Court in Civil Action No. 21-C-36.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1114/358	0.00%
5	5 12-9-12 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%
		William E. Gibson, married, dealing in his separate property	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1080/511	0.00%
6	12-9-13	Greenbrier Royalty Fund II, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1210/658	0.00%
7	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	1187/293	0.00%
8	12-9-15.1	James Martin Merinar and Belinda J. Merinar, his wife	Great Lakes Energy Partners, LLC	at least 1/8th per WV Code §22-6-8	655/81	0.00%
		Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC.		19/443	
		Range Resources – Appalachia, LLC	Chesapeake Appalachia, L.L.C.		23/368	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
9	12-9-15	Calvin C. Merinar, divorced, dealing in his sole and separate property	Great Lakes Energy Partners, LLC	at least 1/8th per WV Code §22-6-8	652/32	0.00%
		Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC.		19/443	
		Range Resources – Appalachia, LLC	Chesapeake Appalachia, L.L.C.		23/368	
		Chesapeake Appalachia, Ł.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	

RECEIVED
Office of Oil and Gas

MAR 7 2025

EXHIBIT "A"

BW Edge MSH 210H

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
10	12-9-16	Melvin W. Kahle, Jr. (50% Interest), representing himself individually and as Attorney-in-Fact (Agent) of his sister, Rosemary	Great Lakes Energy Partners, LLC	at least 1/8th per WV Code §22-6-8	654/270	0.00%
		Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC.		19/443	
		Range Resources – Appalachia, LLC	Chesapeake Appalachia, L.L.C.		23/368	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
11	12-9-18	Calvin C. Merinar, a single	TH Exploration, LLC	at least 1/8th per	1136/207	0.00%
		EQT TGHL Exploration, LLC f/k/a TH Exploration, LLC	SWN Production Company, LLC	WV Code §22-6-8	1202/119	
12	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%
		Great Lakes Energy Partners, L.L.C.	Range Resources – Appalachia, LLC.		19/443	
		Range Resources - Appalachia, LLC	Chesapeake Appalachia, L.L.C.		23/368	
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
13	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%
14	12-11-3	APP Minerals, LLC	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1091/439	0.00%
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		48/263	
15	12-11-16	Royalty Owner (subject to Unitization filing dated January 31, 2025)	N/A	at least 1/8th per WV Code §22-6-8	N/A	100.009
16	15-1-8	ISKCON New Vrindaban, Inc.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/641	0.00%
17	15-1-12	ISKCON New Vrindaban, Inc.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/644	0.00%
18	15-1-12.2	ISKCON New Vrindaban, Inc.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1208/329	0.00%
19	15-1-13	Bounty Minerals, LLC	TH Exploration. LLC	at least 1/8th per WV Code §22-6-8	1025/587	0.00%

EXHIBIT "A" BW Edge MSH 210H

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
		TH Exploration, LLC	American Petroleum Partners Operating, LLC		45/146	
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		46/29	
20	15-1-14	Bounty Minerals, LLC	TH Exploration. LLC	at least 1/8th per WV Code §22-6-8	1025/587	0.00%
		TH Exploration, LLC	American Petroleum Partners Operating, LLC		45/146	
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		46/29	
21	15-1-15	ISKCON New Vrindaban, Inc.	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1208/89	0.00%
22	12-16-2	Bounty Minerals, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1182/172	0.00%
		Moses D. Swartzel and Lila K. Swartzel	EQT Production Company	at least 1/8th per WV Code §22-6-8	1197/167	0.00%
		EQT Production Company	SWN Production Company, LLC		1211/551	
23	12-16-2.2	Bounty Minerals, LLC	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1182/172	0.00%
		Marian Murphy, a single woman, f/k/a Marian Chiilak	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1207/650	0.00%

EXHIBIT "A" BW Edge MSH 210H

MAR 7 2025

Marshall County, West Virginia

WV Department of
Environmental Protection

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Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
24	15-3-2	Frederick W. Dague, single, and Harriet C. Riggle, married	TriEnergy Holdings, LLC	at least 1/8th per WV Code §22-6-8	699/365	0.00%
		TriEnergy Holdings, LLC	NPAR, LLC		24/180	
		NPAR, LLC	Chevron, USA, Inc		26/16	
		NPAR, LLC	Chevron, USA, Inc		756/332	
		TriEnergy Holdings, LLC and TriEnergy, Inc	Chevron, USA, Inc		28/356	
		Chevron, USA, Inc	Chesapeake Appalachia, LLC		30/532	
		Chesapeake Appalachia, LLC	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
25	15-3-25	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	
		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	
		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	
		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	
		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	
		Patricia A. Bennett and Dora Jean Cunningham, as joint tenants with right of sruvivorship	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1051/198	0.00%
26	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	
		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	

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EXHIBIT "A" BW Edge MSH 210H

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 Environmental Protection

Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		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	
		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	
		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	
		Patricia A. Bennett and Dora Jean Cunningham, as joint tenants with right of sruvivorship	SWN Production Company, L.L.C.	at least 1/8th per WV Code §22-6-8	1051/198	0.00%
		Robert E. Bennet, by Robert J. Bennet as Power of Attorney, and Patricia A. Bennett, husband and wife, as joint tenants with right of	American Petroleum Partners Operating, LLC	at least 1/8th per WV Code §22-6-8	1026/606	0.00%
		survivorship American Petroleum Partners Operating, LLC	SWN Production Company, LLC		45/381	
27	15-3-25.2	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	
		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	
		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	
		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	
		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	

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EXHIBIT "A"

BW Edge MSH 210H

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Marshall County, West Virginia

Environmental Protection

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
		Patricia A. Bennett and Dora Jean Cunningham, as joint tenants with right of sruvivorship	SWN Production Company, L.L.C.	at least 1/8th per WV Code §22-6-8	1051/198	0.00%
28	15-3-24	Joyce E. Grimm, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	682/131	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	15-3-21	Renee Lynn Grimm Ebert, a married woman doing business in her sole and separate right	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	682/130	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Nellie M. Bilyeu and Willard E. Bilyeu, her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/40	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Russell M. Earliwine, Jr., a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/46	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Harold F. Earliwine and Flora M. Earliwine, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/52	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Homer D. Earliwine, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/66	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Larry Mark Jochum and Betty L. Jochum, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/72	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Gregory Dean Jochum and Deborah L. Jochum, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/77	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Ralph E. Earliwine, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	828/98	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		James K. Earliwine, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	830/82	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	

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MAR 7 2025

EXHIBIT "A"

BW Edge MSH 210H

WV Department of

Marshall County, West Virginia

Attackined to 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
	<u> </u>	Rhonda Kay Williams and Charles E. Williams, Jr., her husband	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	830/144	0.00%
·l		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		John R. Earliwine, a single man	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	830/207	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Gladys L. Wade, a/k/a Gladys V. Wade, a widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	830/217	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Janice Carnes, a/k/a Janice Kay Carnes, a married woman dealing in her sole and separate property	SWN Production Company, L.L.C.	at least 1/8th per WV Code §22-6-8	1053/337	0.00%
	Sharon Rose Anderson, a single woman		SWN Production Company, L.L.C.	at least 1/8th per WV Code §22-6-8	1047/508	0.00%
		Nancy Jean Smith, a single woman	SWN Production Company, L.L.C.	at least 1/8th per WV Code §22-6-8	1047/503	0.00%
		Jeffrey Howard Fitch, a married man dealing in his sole and separate property	SWN Production Company, L.L.C.	at least 1/8th per WV Code §22-6-8	1047/513	0.00%
30	15-6-3	Joyce E. Grimm, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	682/131	0.00%
		Chesapeake Appalachia, L.Ł.C.	SWN Production Company, LLC		33/110	
		Statoil USA Onshore Properties Inc.	SWN Production Company, LLC		33/424	
31	15-6-5	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	690/323	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		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	690/371	0.00%
1		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
32	15-6-6.5	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	690/323	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		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	690/371	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	

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EXHIBIT "A"

BW Edge MSH 210H

Marshall County, West Virginia

MAR 7 2025 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	Environmental Proteotion Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
33	15-6-6	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	690/323	0.00%
•		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
-		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	690/371	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
34	15-6-14	Rose L. Riley, a 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, LLC		33/110	
		Robert J. Riley, III and Tammy J. Riley, his 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, LLC		33/110	
		Timothy G. Riley and Judy W. Riley, his 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, LLC		33/110	
		David B. Riley and Kelly R. Riley, his 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, LLC		33/110	
		Ellen W. Riley and Mark D. Flower, her husband	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, LLC		33/110	
		Wendy Maxim and Corey Maxim, her husband	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, LLC		33/110	
		Wendy Rosian, Guardian and Mother of Daniel D. Rufner, for and on behalf of Daniel D. Rufner, 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, LLC		33/110	
		Chester A. Burkey, a widower, and Michael J. Burkey and Linda V. Burkey, his wife	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	819/127	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
		Vicki F. Riley, a 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, LLC		33/110	



EXHIBIT "A"

BW Edge MSH 210H

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Tract	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
		Brent M. Ruffner, a single man	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, LLC		33/110	
		James B. Riley, Jr. and Cataline E. Riley, his 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, LLC	27,411,412	33/110	
D3	15-3-24.1	Joyce E. Grimm, widow	Chesapeake Appalachia, L.L.C.	at least 1/8th per WV Code §22-6-8	805/198	0.00%
		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		33/110	
E3	15-3-23	Lonnie R. Pethtel, a widower	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	868/1	0.00%
		Gloria J. Wambles, a single woman	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	868/6	0.00%
03	15-1-9	Bounty Minerals, LLC	TH Exploration, LLC	at least 1/8th per WV Code §22-6-8	1025/587	0.00%
		TH Exploration. LLC	American Petroleum Partners Operating, LLC		45/146	
		American Petroleum Partners Operating, LLC	SWN Production Company, LLC		46/29	
U3	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	SWN Production Company, LLC	at least 1/8th per WV Code §22-6-8	1106/576	0.00%
		Court în Civil Action No. 20-C-78	Marie Committee of the			

End of Exhibit "A"

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

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





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

February 17, 2025

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

RE: SWN's proposed New Well: BW Edge MSH 210H in Marshall County, West Virginia, Drilling under Miller Hill Road, Limestone and Dallas 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, Limestone and Dallas 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

w separment of Environmental Protection

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

		NOTICE CERTIFICATION		
Date of Notic	e Certification:	API No. 4		
- 11.5	× 1 ×	Operator'	s Well No. BW E	dge MSH 210H
		Well Pad	Name: BW Edge	MSH
Notice has been been been been been been been bee	e provisions in West Virginia Code §	22-6A, the Operator has provided the re	quired parties w	ith the Notice Forms listed
	tract of land as follows:	F	504 700 004	
State:	West Virginia	UTM NAD 83 Easting:	531,790.034	
County:	051-Marshall	Northing:	4,428,558.477	al/ Dood
District:	Sand Hill	Public Road Access:	Big Wheeling Cre BW Edge MSH	ek Noad
Quadrangle:	Wheeling	Generally used farm name:	BW Edge WiSh	
Watershed:	Grandstaff Run of Wheeling Creek			
requirements Virginia Codo of this article	of subsection (b), section sixteen of e § 22-6A-11(b), the applicant shall thave been completed by the applicant West Virginia Code § 22-6A, the Option 1.	erator has attached proof to this Notice	the surface ow y that the notice	vner; and Pursuant to West
	erator has properly served the require	d parties with the following:		OOG OFFICE USE ONLY
				O.N.D.1
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED BECASEISMIC ACTIVITY WAS CONDUCTION.		☐ RECEIVED/
■ 2. NO	TICE OF ENTRY FOR PLATSURY			NOT REQUIRED
	TICE OF ENTRY FOR TEAT SOR	YEY or NO PLAT SURVEY WAS C	CONDUCTED	
_	TICE OF INTENT TO DRILL or	PEY or NO PLAT SURVEY WAS ON NOTICE NOT REQUIRED BECANOTICE OF ENTRY FOR PLAT SUR WAS CONDUCTED OR	AUSE	NOT REQUIRED
_		□ NOTICE NOT REQUIRED BECANOTICE OF ENTRY FOR PLAT SUBWAS CONDUCTED or □ WRITTEN WAIVER BY SURFA (PLEASE ATTACH)	AUSE RVEY ACE OWNER	NOT REQUIRED RECEIVED RECEIVED NOT REQUIRED
■ 3, NO		□ NOTICE NOT REQUIRED BECANOTICE OF ENTRY FOR PLAT SUBWAS CONDUCTED or □ WRITTEN WAIVER BY SURFA (PLEASE ATTACH)	AUSE RVEY ACE OWNER	NOT REQUIRED RECEIVED RECEIVED
■ 3, NO	TICE OF INTENT TO DRILL or	□ NOTICE NOT REQUIRED BECANOTICE OF ENTRY FOR PLAT SUBWAS CONDUCTED or □ WRITTEN WAIVER BY SURFA (PLEASE ATTACH)	AUSE RVEY ACE OWNER	NOT REQUIRED 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.

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

By: Brittany Woody

Its: Staff Regulatory Specialist

Telephone: 304-884-1610

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany_Woody@swn.com

NOTARY PUBLIC
STATE OF WEST VIRGINIA
Elizabeth Blankenship
60 Simpson Run Road
Weston, WV 26452
My Commission Expires June 23, 2026

Subscribed and sworn before me this

Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

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

WW-6A (9-13) 47.051 0 2 5 3 6
API NO. 47-051
OPERATOR WELL NO. BW Edge MSH 210H
Well Pad Name: BW Edge MSH

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

Noti	Notice Time Requirement: notice shall be provided no later than the filing date of permit application.					
Date	e of Notice:	Date Permit Applica	ation Filed:			
	ce of:		······································			
 ☑	PERMIT FOR AN' WELL WORK	_	ICATE OF APPROVAL FOR THE RUCTION OF AN IMPOUNDMENT OR PIT			
Deli	very method pursus	ant to West Virginia C	ode § 22-6A-10(b)			
	PERSONAL	☑ REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A			
_	SERVICE	MAIL	RECEIPT OR SIGNATURE CONFIRMATION			
sedin the soil and description open more well importance prover proposubsing record prove Code	nent control plan requ urface of the tract on and gas leasehold being ribed in the erosion are actor or lessee, in the elector consumers, if the surface to work, if the surface to bundment or pit as design a water well, spring of ide water for consumers osed well work activities and work in the ection (b) of this sectified of the sheriff requision of this article to be R. § 35-8-5.7.a requirements	which the well is or is progression of which the well is or is progression of the proport sediment control plan event the tract of land on owners of record of the stract is to be used for the procession of the	equires a receipt or signature confirmation, copies of the application, the erosion and this article, and the well plat to each of the following persons: (1) The owners of record of oposed to be located; (2) The owners of record of the surface tract or tracts overlying the sed well work, if the surface tract is to be used for roads or other land disturbance as submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, which the well proposed to be drilled is located [sic] is known to be underlain by one or urface tract or tracts overlying the oil and gas leasehold being developed by the proposed placement, construction, enlargement, alteration, repair, removal or abandonment of any this article; (5) Any surface owner or water purveyor who is known to the applicant to cated within one thousand five hundred feet of the center of the well pad which is used to eated within one thousand five hundred feet of the center of the well pad which is used to eated within one thousand five hundred feet or owners of interests described in lands, the applicant may serve the documents required upon the person described in the suant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. rator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any not water testing as provided in section 15 of this rule.			
			2S Plan Notice			
	JRFACE OWNER(s e: Barbara Ann & William		COAL OWNER OR LESSEE Name: American Consolidated Natural Resources Attn: Steve Blair RECEIVED American Consolidated Natural Resources Attn: Steve Blair RECEIVED And Gas			
	ress: 1116 Virginia Street		Name: American Consolidated Natural Resources Attn: Steve Blair RECEIVED and Gas Address: 46226 National Road			
	s Ferry, OH 43935					
		'	St. Clairsville OH 43950 COAL OPERATOR MAR 7 2025			
	e: David Wayne Edge		_ U COAL OPERATOR WAN			
	ress: 27 Pine Lane		Name: of			
	ing WV 26003		Address:ontal Protection			
) (Road and/or Other Di	Sturbance)			
Nam			_ M SURFACE OWNER OF WATER WELL			
Add	ress:		_ AND/OR WATER PURVEYOR(s)			
			Name: None			
Nam	e:		Address:			
Add	ress:					
			OPERATOR OF ANY NATURAL GAS STORAGE FIELD			
J SU	JRFACE OWNER(s) (Impoundments or Pits				
		, (=== -F = =================================				
Add	ress:					
			*Please attach additional forms if necessary			

WW-6A (9-13) 4705102536
API NO. 47-051 - 051 NO. BW Edge MSH 210H
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 applica	ntion.
Date of Notice: 2 Date Permit Ap	plication Filed: 3 U	
Notice of:	-	
	RTIFICATE OF APPROVAL FOR THE NSTRUCTION OF AN IMPOUNDMENT OR PIT	
Delivery method pursuant to West Virgin	ua Code § 22-6A-10(b)	
□ PERSONAL ☑ REGISTERE	METHOD OF DELIVERY THAT REQU	TIRES A
SERVICE MAIL	RECEIPT OR SIGNATURE CONFIRMA	ATION
oil and gas leasehold being developed by the p described in the erosion and sediment control operator or lessee, in the event the tract of lan more coal seams; (4) The owners of record of well work, if the surface tract is to be used for impoundment or pit as described in section ni have a water well, spring or water supply sour provide water for consumption by humans or proposed well work activity is to take place. (a subsection (b) of this section hold interests in records of the sheriff required to be maintaine provision of this article to the contrary, notice Code R. § 35-8-5.7.a requires, in part, that the	is proposed to be located; (2) The owners of record of the proposed well work, if the surface tract is to be used for roughlan submitted pursuant to subsection (c), section seven of an which the well proposed to be drilled is located [sic] the surface tract or tracts overlying the oil and gas leasehouthe placement, construction, enlargement, alteration, repaire of this article; (5) Any surface owner or water purveyor ce located within one thousand five hundred feet of the certain domestic animals; and (6) The operator of any natural gas such that the lands, the applicant may serve the documents required the pursuant to section eight, article one, chapter eleven-a of to a lien holder is not notice to a landowner, unless the liese operator shall also provided in section 15 of this rule title and water testing as provided in section 15 of this rule	ads or other land disturbance as f this article; (3) The coal owner, is known to be underlain by one or ld being developed by the proposed in, removal or abandonment of any who is known to the applicant to inter of the well pad which is used to storage field within which the iners of interests described in upon the person described in the f this code. (2) Notwithstanding any in holder is the landowner. W. Va. (SSP") to the surface owner and any
☑ Application Notice ☑ WSSP Notice	☑ E&S Plan Notice ☑ Well Plat Notice is hereby p	provided to:
SURFACE OWNER(s) Name: Edith Folmer Trust IN CARE OF: Carol Snyder	COAL OWNER OR LESSEE Name:	RECEIVED GAS
Address: 4206 SW 13th Ave	Address:	HECEIVED AND GRE
Cape Coral FL 33914		- 2006
Name: Wheeling Power Company	COAL OPERATOR	MAR 7 2023
Address: 1 Riverside Place	Name:	
Columbus, OH 43215	Address:	
SURFACE OWNER(s) (Road and/or Oth	er Disturbance)	VVV separamental Protection
Name:	☐ SURFACE OWNER OF WAT	ER WELL
Address:	AND/OR WATER PURVEYOR	(s)
	Marine an	
Name:		
Address:		
	OPERATOR OF ANY NATU	RAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments of		
Name:	Address:	
Address:		
	*Please attach additional forms if	necessary

WW-6A (8-13) 4705102536

API NO. 47- 051

OPERATOR WELL NO. BW Edge MSH 210H

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 weitten comments; (2) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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

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

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

Well Location Restrictions

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

API NO. 47-051

OPERATOR WELL NO. BW Edge MSH 210H

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 57th St. SE Charleston, WV 25304 (304) 926-0450

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

WW-6A (8-13) API NO. 47-051 0 5 1 0 2 5 3 6

OPERATOR WELL NO. BW Edge MSH 210H

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

Permit Denial or Condition

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

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

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

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

MAR 7 2025

WAR Protection

Environmental Protection

API NO. 47-051

OPERATOR WELL NO. BW Edge MSH 210H

Well Pad Name: BW Edge MSH

Notice is hereby given by:

Well Operator: SWN Production Co., LLC

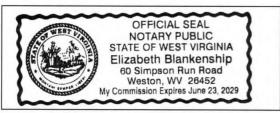
Telephone: 304-884-1610 Email: Brittany_Woody@swn.com Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508

Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

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

My Commission Expires



Subscribed and sworn before me this Notary Public

> RECEIVED Office of Oil and Gas

> > 7 2025 MAR

Wy Departmen of Environmental Protection



WW-6A3 (1/12)

4705102536

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

entry			ded at least SEVEN (/) day	ys but no more thai	FORTY-FIVE	(45) days prior to
Date of Notic	e: 5/14/2024	Date of Pla	ned Entry: 5/21/2024			
Delivery met	hod pursuant	to West Virginia C	de § 22-6A-10a			
☐ PERSON		REGISTERED	☐ METHOD OF DEL			
SERVIC	Е	MAIL	RECEIPT OR SIGN	NATURE CONFIR	MATION	
on to the surfa but no more the beneath such owner of mine and Sediment Secretary, when able the sur	ace tract to come han forty-five detract that has file erals underlying Control Manualich statement si face owner to come	duct any plat survey ays prior to such en ed a declaration put g such tract in the co al and the statutes ar hall include contact obtain copies from the	rior to filing a permit applic required pursuant to this ar ry to: (1) The surface owner suant to section thirty-six, a anty tax records. The notice d rules related to oil and gas information, including the a e secretary.	ticle. Such notice s r of such tract; (2) tricle six, chapter to e shall include a sta s exploration and p	shall be provided to any owner or le wenty-two of this atement that copie roduction may be	at least seven days essee of coal seams code; and (3) any es of the state Erosion obtained from the
	eby provided t	,				RECEIVED GAS
	CE OWNER(s)	J		L OWNER OR LE		
	Ann & William F. Edg	e		erican Consolidated Natura	al Resources	Title of
Address: 1116				46226 National Road		MAR 7 2025
Martins Ferry, OH			St. Clairsville	OH 43950		
Name: David W Address: 27 P			■ MINI	ERAL OWNER(s)		Wy Department of
Wheeling WV 2600		- 2		and the second s		WV Department of Environmental Protection
	Imer Trust IN CARE	OF: Carol Snyder		bara Ann & William F. Edg 7115 Paste Drive	е	EUNITOTITIO
Address: 4206			Address: Martins Ferry			_
Cape Coral FL 339				h additional forms if ne	cessary	_
a plat survey State:	est Virginia Co on the tract of I West Virginia	ode § 22-6A-10(a), and as follows:		ude & Longitude:	40.015294, -80.630	
County:	Marshall		Public Road	Access:	Big Wheeling Creek R	oad
District:	Sand Hill		Watershed:	d farms names	Upper Ohio South	
Quadrangle:	Wheeling		Generally use	ed farm name:	B & W Edge MSH	
may be obtain	ned from the Se VV 25304 (304	cretary, at the WV I -926-0450). Copies	Manual and the statutes and department of Environmenta of such documents or addit .wv.gov/oil-and-gas/pages/	al Protection headq ional information r	uarters, located at	601 57th Street, SE,
Notice is he	reby given by		Address	1200 5-4 51 5	Suite 201	
Notice is he Well Operato	reby given by	7: TION COMPANY, LLC	Address:	1300 Fort Pierpont Dr.,		
Notice is he	reby given by	TION COMPANY, LLC	Address:	1300 Fort Pierpont Dr., Morgantown, WV 26508 304-884-1690		

Oil and Gas Privacy Notice:

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

4705102536

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

entry		irement:	rottee shair oe pro-	ided at	least SEVEN (7) day	s but no more than	FORT 1-F	FIVE (45) days prior to	
	of Notice: 5/1	4/2024	Date of Pla	nned Er	ntry: 5/24/2024	_			
Deli	very method p	pursuant	to West Virginia C	ode § 22	2-6A-10a				
	PERSONAL		REGISTERED		METHOD OF DEL	IVERY THAT RE	QUIRES A		
	SERVICE	=	MAIL		RECEIPT OR SIGN				
on to but r bene own and S Secre enab	o the surface tr no more than for eath such tract er of minerals Sediment Con- etary, which so le the surface	act to cond orty-five d that has fi underlying trol Manua tatement so owner to co	duct any plat survey lays prior to such en led a declaration put g such tract in the coal and the statutes ar hall include contact obtain copies from the	s require try to: (1 suant to ounty tax id rules informa	ed pursuant to this and the property of the surface owner of section thirty-six, as a records. The notice related to oil and gastion, 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 prove o any owne wenty-two outement that roduction m	de notice of planned ent vided at least seven days r or lessee of coal seam of this code; and (3) any copies of the state Eros ay be obtained from the ecretary's web site, to	s s sion
Noti	ce is hereby p	rovided t	0:					RECEIVED	net in
	SURFACE O	WNER(s)			■ COA	LOWNER OR LES	SSEE	Office of Oil and 13	761
	ne: Wheeling Powe			200				7 702	5
	ress: 1 Riverside	Place			Address:			MAR 7 702	M
	nbus OH 43125			=	-				731
Nam	ne:			-	■ MINI	ERAL OWNER(s)		WV Department Environmental Prote	ection
Add						vid Wayne Edge		Environmental	
Nam					Name: Da	27 Pine Island Road			
Add	ress:			-	Wheeling WV	26003		-	
						h additional forms if neo	cessary		
Purs a pla State	at survey on the: West	Virginia Co e tract of I Virginia	ode § 22-6A-10(a), and as follows:		Approx. Latit	ude & Longitude:	operator is 40.015294, -80 Big Wheeling		uct
Purs a pla State Cour Dist	tuant to West Variat survey on the: West West Mars rict: Sand	Virginia Co e tract of I Virginia	and as follows:		Approx. Latit Public Road Watershed:	ude & Longitude: Access:	40.015294, -80 Big Wheeling Oupper Ohio Sc	0.630 Creek Road outh	uct
Purs a pla State Cour Dist	at survey on the: West West Mars	Virginia Co e tract of I virginia hall	and as follows:		Approx. Latit Public Road Watershed:	ude & Longitude:	40.015294, -80 Big Wheeling 0	0.630 Creek Road outh	uct
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4705102536

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.

Date of Notic		Date Permit	A STATE OF THE STA		
Delivery met	hod pursuant to West	Virginia Code § 22-6	A-16(b)		
☐ HAND	■ CERTII	FIED MAIL			
DELIVE	RY RETUR	RN RECEIPT REQUE	ESTED		
receipt request drilling a hore of this subsect subsection ma	ted or hand delivery, gi zontal well: <i>Provided</i> , tion as of the date the na ty be waived in writing	ve the surface owner That notice given purotice was provided to by the surface owner.	orior to filing a permit application notice of its intent to enter upon to resuant to subsection (a), section to the surface owner: <i>Provided</i> , how The notice, if required, shall increase of the operator and the operator	the surface owner's land for en of this article satisfies to wever. That the notice requiled the name, address, te or's authorized representat	or the purpose of the requirements uirements of this lephone number, tive.
Notice is he	reby provided to the	SURFACE OWN	ER(s):	HICE OF	Oil and Gas
Name: Wheelin		The state of the s	Name:	part of the second	
Address: 1 Riv			Address:	MAR	7 2025
Notice is he	reby given:				repartment of nental Protection
Pursuant to V	Vest Virginia Code § 22	-6A-16(b), notice is l	nereby given that the undersigned	well operator has all into	antal Pluce
Pursuant to V the surface or	Vest Virginia Code § 22 vner's land for the purp	-6A-16(b), notice is lose of drilling a horizon	ontal well on the tract of land as f	l well operator has an inter-	antal Pluce
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Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to hor located at 60 Notice is he Well Operato Address:	West Virginia Code § 22 wner's land for the purpow WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling Shall Include: West Virginia Code § mber and electronic marizontal drilling may be 1 57th Street, SE, Charle reby given by: IT: SWN Production Companion of the purpower	22-6A-16(b), this no il address of the ope obtained from the Seston, WV 25304 (304 y, LLC	Ontal well on the tract of land as for the UTM NAD 83 Public Road Access: Generally used farm name: tice shall include the name, additionant the operator's authorized recretary, at the WV Department (1-926-0450) or by visiting www.decepters.	d well operator has all interests of the second of the sec	and if available, onal information on headquarters, ges/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to hor located at 60 Notice is he Well Operator	West Virginia Code § 22 wner's land for the purpowy Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling Shall Include: West Virginia Code § mber and electronic marginated drilling may be serizontal drilling may be serizonta	22-6A-16(b), this no il address of the ope obtained from the Seston, WV 25304 (304 y, LLC	Ontal well on the tract of land as for the UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: tice shall include the name, addrator and the operator's authorized ecretary, at the WV Department (1-926-0450) or by visiting www.d	d well operator has all interests of lows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, 222 dress telephone number, 223 dress telephone number, 224 dress telephone number, 225 dress telephone number, 2265 dress telephone number, 226508	and if available, onal information on headquarters, ges/default.aspx.

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WW-6A5 (1/12)

STATE OF WEST VIRGINIA 47 0 5 1 0 2 5 3 6 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Date of Notic	Requirement: notice shall be provide: 06/24/2024 Date Perr	nit Application Filed:	
Delivery met	hod pursuant to West Virginia Co	ode § 22-6A-16(c)	
■ CERTII	FIED MAIL	☐ HAND	
	RN RECEIPT REQUESTED	DELIVERY	
return receipt the planned of required to be drilling of a lid damages to the (d) The notice of notice.	requested or hand delivery, give the operation. The notice required by a provided by subsection (b), section horizontal well; and (3) A proposed as surface affected by oil and gas operate surface affected by this section shall be get by provided to the SURFACE Of the surface of the surface affected by this section shall be get by provided to the SURFACE Of the sur	e surface owner whose land will be used this subsection shall include: (1) A copy ten of this article to a surface owner who d surface use and compensation agreeme erations to the extent the damages are congiven to the surface owner at the address I will be the wind the surface owner at the address I will be the wind the will be the surface owner at the address I will be the will be will be the will	for the drilling of a horizontal well notice of y of this code section; (2) The information are land will be used in conjunction with the ent containing an offer of compensation for appensable under article six-b of this chapter, isted in the records of the sheriff at the time
Name: Wheeling		Name:	WAN
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her	g Power Company erside Place 1125 eby given:	Name: Address:	WAN Department of Environmental Protection
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her Pursuant to Woperation on State: County:	erside Place eby given: Vest Virginia Code § 22-6A-16(c), n the surface owner's land for the pur WV Marshall	Name: Address: otice is hereby given that the undersigned pose of drilling a horizontal well on the treatment of the search of	well operator has developed a planned ract of land as follows: 531,790.034 4,428,558,477
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her Pursuant to W operation on State: County: District:	erside Place 1125 eby given: Vest Virginia Code § 22-6A-16(c), n the surface owner's land for the pur WV Marshall Sand Hill	Name: Address: Otice is hereby given that the undersigned pose of drilling a horizontal well on the treatment of the season of	well operator has developed a planned ract of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her Pursuant to W operation on State: County:	erside Place eby given: Vest Virginia Code § 22-6A-16(c), n the surface owner's land for the pur WV Marshall	Name: Address: otice is hereby given that the undersigned pose of drilling a horizontal well on the treatment of the search of	well operator has developed a planned ract of land as follows: 531,790.034 4,428,558,477
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice State Pursuant to Work to be provided horizontal we surface affect information of the state	eby given: Vest Virginia Code § 22-6A-16(c), n the surface owner's land for the pur WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling Shall Include: Vest Virginia Code § 22-6A-16(c), t ed by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use a ted by oil and gas operations to the related to horizontal drilling may be located at 601 57th Street, SE,	Name: Address: Otice is hereby given that the undersigned pose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the composition of the composition agreement containing a sextent the damages are composable under the obtained from the Secretary, at the William and the composition of the composit	well operator has developed a planned ract of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to V to be provide horizontal we surface affect information r headquarters, gas/pages/def	eby given: Vest Virginia Code § 22-6A-16(c), n the surface owner's land for the pur WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling Shall Include: Vest Virginia Code § 22-6A-16(c), the deby W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use a steel at the deby with t	Name: Address: Otice is hereby given that the undersigned pose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the composition of the composition agreement containing a sextent the damages are composable under the obtained from the Secretary, at the William and the composition of the composit	well operator has developed a planned ract of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road BW EDGE s code section; (2) The information required used in conjunction with the drilling of a ran offer of compensation for damages to the oder article six-b of this chapter. Additional V Department of Environmental Protection (b) or by visiting www.dep.wv.gov/oil-and-
Name: Wheeling Address: 1 Riv Columbus, OH 43 Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice Sursuant to Woperation of State: County: District: Quadrangle: Watershed: Watershed: This Notice Sursuant to Woperation of State: County: District: Quadrangle: Watershed: This Notice Sursuant to Woperation of State: County: County: County: County: Columbia Sursuant to Woperation of State: County:	eby given: Vest Virginia Code § 22-6A-16(c), n the surface owner's land for the pur WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling Shall Include: Vest Virginia Code § 22-6A-16(c), the deby W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use a steel at the deby with t	Name: Address: Address: Otice is hereby given that the undersigned pose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the tree to the compose of drilling a horizontal well on the compose of this to a surface owner whose land will be and compose of this to a surface owner whose land will be and compose of the com	well operator has developed a planned ract of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road BW EDGE s code section; (2) The information required used in conjunction with the drilling of a an offer of compensation for damages to the oder article six-b of this chapter. Additional V Department of Environmental Protection (2) or by visiting www.dep.wv.gov/oil-and-tpr., Suite 201

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WW-6A4 (1/12)

4705102536

STATE OF WEST VIRGINIA 47 0 3 1 0 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.

ate of Notic	e: 06/24/2024	Date I	Permit Application Filed:	
Delivery met	hod pursuant to	West Virginia Code	§ 22-6A-16(b)	
☐ HAND	•	CERTIFIED MAIL		
DELIVE	RY	RETURN RECEIPT R	REQUESTED	
eceipt reques drilling a hori of this subsection man	ted or hand deli zontal well: Pr tion as of the da by be waived in	very, give the surface of ovided, That notice give te the notice was provice writing by the surface of writing by the surface of the surface of writing by the surface of the surface the surface of the surface the surface the surface the surface the surface the surface the surface the surface the surface the the surface the the surface the surface the the surface the the surface the the surface the the surface the the surface the the surface the the surface the the surface the the the surface the the surface the the the the the the the th	owner notice of its intent to enter upon to wen pursuant to subsection (a), section to ded to the surface owner: <i>Provided, ho</i>	a, an operator shall, by certified mail return the surface owner's land for the purpose of the end of this article satisfies the requirement twever, That the notice requirements of this clude the name, address, telephone number tor's authorized representative.
				RECEIVED
		to the SURFACE (Office of Oil and Gas
	Ann & William F. Edge		Name: Address:	
Address: 1116			Address.	MAR 7 2025
Pursuant to W	reby given: Vest Virginia Co	ode § 22-6A-16(b), not he purpose of drilling a	a horizontal well on the tract of land as f	WV pepartmen of d well operator hลราสทากและก็ไล้ Protection follows:
Notice is he Pursuant to W	reby given: Vest Virginia Co vner's land for t	ode § 22-6A-16(b), not he purpose of drilling a	a horizontal well on the tract of land as f	d well operator has an officent to enter upo
Notice is he Pursuant to Whe surface ov State:	reby given: Vest Virginia Co	ode § 22-6A-16(b), not he purpose of drilling a	a horizontal well on the tract of land as f	d well operator has an officent to enter upo follows:
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Notice is he Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to W facsimile nur related to hoo located at 60	reby given: Vest Virginia Covner's land for t WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Shall Include West Virginia (onber and electrosizontal drilling	Wheeling Code § 22-6A-16(b), to may be obtained from Charleston, WV 2530	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: this notice shall include the name, add the operator and the operator's authoria the Secretary, at the WV Department of (304-926-0450) or by visiting www.co	d well operator has an officent to enter upo follows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.aspx
Notice is he Pursuant to W he surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to W facsimile nur related to hor located at 6000	reby given: Vest Virginia Covner's land for towner's land Hill Wheeling, WV-OH Grandstaff Run of Shall Include West Virginia Construction and electrorizontal drilling 157th Street, SE	Wheeling Code § 22-6A-16(b), tonic mail address of tomay be obtained from Charleston, WV 2530	UTM NAD 83 Public Road Access: Generally used farm name: this notice shall include the name, add the operator and the operator's authoria the Secretary, at the WV Department	d well operator has an officent to enter upo follows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.aspx
Notice is he Pursuant to W he surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to W facsimile nur related to hor located at 60 Notice is he Well Operato	reby given: Vest Virginia Covner's land for t WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Shall Include West Virginia Conber and electrorizontal drilling 1 57th Street, SE Creby given by Or: SWN Production	Wheeling Code § 22-6A-16(b), tonic mail address of tomay be obtained from Charleston, WV 2530	UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: this notice shall include the name, add the operator and the operator's authoria the Secretary, at the WV Department of (304-926-0450) or by visiting www.co	d well operator has an officent to enter upo follows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.aspx
Notice is he Pursuant to W he surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to W facsimile nur related to hor located at 60 Notice is he Well Operato	reby given: Vest Virginia Covner's land for t WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Shall Include West Virginia Conber and electrorizontal drilling 1 57th Street, SE Creby given by Or: SWN Production	Wheeling Code § 22-6A-16(b), tonic mail address of tomay be obtained from Charleston, WV 2530 Cont Dr., Suite 201	This notice shall include the name, add the operator and the operator's authoricated (304-926-0450) or by visiting www.s. Authorized Representative Address:	d well operator has an officent to enter upo follows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.aspx e: Reid Croft
Notice is he Pursuant to W he surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to W facsimile nur related to hor located at 60: Notice is he Well Operato Address:	reby given: Vest Virginia Covner's land for towner's land Hill Wheeling, WV-OH Grandstaff Run of Shall Include West Virginia Comber and electroizontal drilling 157th Street, SE Breby given by Street Sereby given by Street Sere	Wheeling Code § 22-6A-16(b), tonic mail address of tomay be obtained from Charleston, WV 2530 Cont Dr., Suite 201	Authorized Representative Address: Telephone: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: Authorized Representative Address: Telephone:	d well operator has an officent to enter upo follows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.aspx e: Reid Croft 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 304-231-8329
Notice is he Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 60: Notice is he	reby given: Vest Virginia Covner's land for towner's land for towner's land for towner's land for towner's land limit wheeling, W-OH Grandstaff Run of Shall Include West Virginia Comber and electroizontal drilling la 57th Street, SE reby given by the SWN Production 1300 Fort Piere Morgantown, W	Wheeling Code § 22-6A-16(b), tonic mail address of tomay be obtained from the control of the co	This notice shall include the name, add the operator and the operator's authoricated (304-926-0450) or by visiting www.s. Authorized Representative Address:	d well operator has an officent to enter upo follows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE dress, telephone number, and if available zed representative. Additional information of Environmental Protection headquarter dep.wv.gov/oil-and-gas/pages/default.aspx e: Reid Croft 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508

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 deepprivacyofficer@wv.gov.

WW-6A5 (1/12)

4705102536 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time I Date of Notic		ded no later than the filing date of permit application. nit Application Filed:
Delivery met	hod pursuant to West Virginia C	de § 22-6A-16(c)
■ CERTII	FIED MAIL	☐ HAND
	N RECEIPT REQUESTED	DELIVERY
return receipt the planned of required to be drilling of a ladamages to the (d) The notice of notice.	requested or hand delivery, give the peration. The notice required by provided by subsection (b), section norizontal well; and (3) A propose e surface affected by oil and gas of	
	Ann & William F. Edge	Name:
Address: 1116		Address:
Martins Ferry, OH		
State: County: District:	WV Marshall Sand Hill	pose of drilling a horizontal well on the tract of land as follows: UTM NAD 83 Easting: 531,790.034 Northing: 4.428.558.477 Public Road Access: Grandstaff Run Road
Quadrangle:	Wheeling, WV-OH	Generally used farm name: BW EDGE
Watershed:	Grandstaff Run of Wheeling	
Pursuant to V to be provide horizontal we surface affect information r	ed by W. Va. Code § 22-6A-10(b ell; and (3) A proposed surface use ted by oil and gas operations to the lated to horizontal drilling may located at 601 57 th Street, SE,	his notice shall include: (1)A copy of this code section; (2) The information require to a surface owner whose land will be used in conjunction with the drilling of and compensation agreement containing an offer of compensation for damages to the extent the damages are compensable under article six-b of this chapter. Addition the obtained from the Secretary, at the WV Department of Environmental Protection Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10">www.dep.wv.gov/oil-and-number-10"
		TATE OF THE PARTY
Well Operato		Address: 1300 Fort Pierpont Dr., Suite 201
Telephone:	304-231-8329	Facsimile:
Email:	reid_croft@swn.com	racsimile:
The Office of	Privacy Notice: f Oil and Gas processes your perso personal information may be disc	al information, such as name, address and telephone number, as part of our regulators of the total to other State agencies or third parties in the normal course of business or

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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 Thice of C MAR 7 2025

4705102536

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 e: 06/24/2024 Date Per	least TEN (10) days prior to filing a mit Application Filed:	permit application.
Delivery met	hod pursuant to West Virginia Code § 2	22-6A-16(b)	
☐ HAND	CERTIFIED MAIL		
DELIVE		DUESTED	
receipt request drilling a hore of this subsection man	V. Va. Code § 22-6A-16(b), at least ten day sted or hand delivery, give the surface own izontal well: <i>Provided</i> , That notice given tion as of the date the notice was provided ay be waived in writing by the surface own le, facsimile number and electronic mail as	ner notice of its intent to enter upon the pursuant to subsection (a), section tell to the surface owner: <i>Provided, how</i> ner. The notice, if required, shall include:	ne surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this ude the name, address, telephone number, or's authorized representative.
	reby provided to the SURFACE OW		MICE OF OIL and Gas
	R EDITH A TRUST, In Care of: SNYDER CAROL	Name:	Miles of the
Address: 4206		Address:	MAR 7 2025
CAPE CONAL II	55514) 	MAR 7 ZUZS
State: County: District:	vner's land for the purpose of drilling a how WV Marshall Sand Hill	UTM NAD 83 Easting: Northing: Public Road Access:	531,790.034 4,428,558.477 Grandstaff Run Road
Quadrangle:	Wheeling, WV-OH	Generally used farm name:	BW EDGE
Watershed:	Grandstaff Run of Wheeling		
Pursuant to V facsimile num related to hor	Shall Include: West Virginia Code § 22-6A-16(b), this other and electronic mail address of the dizontal drilling may be obtained from the 57 th Street, SE, Charleston, WV 25304 (3)	operator and the operator's authorized Secretary, at the WV Department of	ed representative. Additional information f Environmental Protection headquarters,
Notice is he	reby given by:		
Well Operato	r: 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 deprivacyofficer@wv.gov.

WW-6A5 (1/12)

STATE OF WEST VIRGINIA 47 0 5 1 0 2 5 3 6 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

)elivery me	hod pursuant to West Virginia (Code 8 22-6A-16(c)		
CERTI	FIED MAIL	☐ HAND		
RETU	RN RECEIPT REQUESTED	DELIVERY		
return receips the planned required to be drilling of a damages to to d). The notice of notice. Notice is her fat the address	requested or hand delivery, give to peration. The notice required by e provided by subsection (b), section horizontal well; and (3) A proposite surface affected by oil and gas described by this section shall be eby provided to the SURFACE (as listed in the records of the sherif	he surface owner whose land this subsection shall includ on ten of this article to a surface desurface use and compensate operations to the extent the dargiven to the surface owner at OWNER(s) fat the time of notice):	will be used for e: (1) A copy ce owner whose tion 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
	R EDITH A TRUST, In Care of SNYDER CARC	Name:		
Address: 4206	SW 13TH AVE	Address		
Address: 4200 CAPE CORAL FI Notice is her Pursuant to V	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p	Address:	e undersigned well on the tra	
Address: 4200 CAPE CORAL F Notice is her Pursuant to V operation on State: County: District:	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p WV Marshall Sand Hill	Address: notice is hereby given that the urpose of drilling a horizontal UTM NAD 83	e undersigned well on the tra Easting: Northing:	act of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road
Address: 4200 CAPE CORAL F Notice is her Pursuant to V operation on State: County: District: Quadrangle:	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p WV Marshall Sand Hill Wheeling, WV-OH	Address: notice is hereby given that the urpose of drilling a horizontal UTM NAD 83	e undersigned well on the tra Easting: Northing:	act of land as follows: 531,790,034 4,428,558.477
Address: 4200 CAPE CORAL F Notice is her Pursuant to V Operation on State: County: District: Quadrangle: Watershed: This Notice Pursuant to V to be provide	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p WV 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(t)	Address: notice is hereby given that the urpose of drilling a horizontal UTM NAD 83 Public Road A Generally used this notice shall include: (1), to a surface owner whose	e undersigned well on the tra Easting: Northing: ccess: d farm name: A copy of this land will be	act of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road BW EDGE code section; (2) The information required used in conjunction with the drilling of a
Address: 4200 CAPE CORAL FI Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice Pursuant to V to be provide norizontal w surface affect information headquarters	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p WV 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(t) ell; and (3) A proposed surface use ted by oil and gas operations to the related to horizontal drilling may located at 601 57th Street, SE,	Address: notice is hereby given that the urpose of drilling a horizontal UTM NAD 83 Public Road A Generally used this notice shall include: (1). to a surface owner whose and compensation agreement the extent the damages are could be obtained from the Secreta	e undersigned well on the tra Easting: Northing: Access: d farm name: A copy of this land will be at containing an ampensable underly, at the WV	act of land as follows: 531,790.034 4,428,558,477 Grandstaff Run Road BW EDGE code section; (2) The information required
Address: 4200 CAPE CORAL FI Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: I'his Notice Pursuant to V ob provide norizontal w surface affect information neadquarters gas/pages/de	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p W 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(te) ell; and (3) A proposed surface use ted by oil and gas operations to the related to horizontal drilling may located at 601 57th Street, SE, fault.aspx.	Address: notice is hereby given that the urpose of drilling a horizontal UTM NAD 83 Public Road A Generally used this notice shall include: (1). to a surface owner whose and compensation agreement the extent the damages are could be obtained from the Secreta	e undersigned well on the tra Easting: Northing: Access: d farm name: A copy of this land will be at containing an ampensable underly, at the WV	act of land as follows: 531,790.034 4,428,558,477 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-
Address: 4200 CAPE CORAL F Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice Pursuant to V to be provided to be provided to rizontal we surface affect information	eby given: Vest Virginia Code § 22-6A-16(c), the surface owner's land for the p W 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(te) ell; and (3) A proposed surface use ted by oil and gas operations to the related to horizontal drilling may located at 601 57th Street, SE, fault.aspx.	Address: notice is hereby given that the urpose of drilling a horizontal UTM NAD 83 Public Road A Generally used this notice shall include: (1), to a surface owner whose and compensation agreement the extent the damages are cobe obtained from the Secreta Charleston, WV 25304 (1)	e undersigned well on the tra Easting: Northing: Cccess: d farm name: A copy of this land will be at containing an impensable underly, at the WV 304-926-0450	act of land as follows: 531,790.034 4,428,558,477 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

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.

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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Office of Oil and

MAR 7 2025

WW-6A4 (1/12)

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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.

	ce: 06/24/2024	Date P	ermit Application Filed:	
Delivery met	hod pursuant to	West Virginia Code	§ 22-6A-16(b)	
☐ HAND		CERTIFIED MAIL		
DELIVE		RETURN RECEIPT R	EQUESTED	
receipt request drilling a hore of this subsect subsection mand if availab	sted or hand delivized izontal well: Proceedings of the data ay be waived in vole, facsimile numbers.	very, give the surface o ovided. That notice give the notice was provide writing by the surface of aber and electronic mail	wner notice of its intent to enter upon the pursuant to subsection (a), section teled to the surface owner: <i>Provided, how</i> wner. The notice, if required, shall included address of the operator and the operator	RECEIVED
Notice is ne Name: David W		to the SURFACE O	Name:	Office of Oil and Gas
Address: 27 P			Address:	
Wheeling, WV 26		-	1441000	MAR 7 2025
Pursuant to V the surface or	Vest Virginia Coo wner's land for th	de § 22-6A-16(b), notione purpose of drilling a	horizontal well on the tract of land as fo	
Pursuant to V the surface of State:	Vest Virginia Coo wner's land for the	de § 22-6A-16(b), notion ne purpose of drilling a	horizontal well on the tract of land as fo Easting:	well operator has an intent to enter upon ollows: 531,790.034
Pursuant to V the surface of State: County:	Vest Virginia Coo wner's land for th WV Marshall	de § 22-6A-16(b), notion the purpose of drilling a	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing:	well operator has an intent to enter upon llows:
Pursuant to V the surface of State: County: District:	West Virginia Cowner's land for the WV Marshall Sand Hill	de § 22-6A-16(b), notion ne purpose of drilling a	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access:	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477
Notice is he Pursuant to V the surface of State: County: District: Quadrangle: Watershed:	Vest Virginia Coo wner's land for th WV Marshall	ne purpose of drilling a	horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing:	well operator has an intent to enter upon llows: 531,790.034 4,428,558.477 Grandstaff Run Road
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho	West Virginia Cowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electro	Vheeling Sode § 22-6A-16(b), the mail address of the may be obtained from	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorize the Secretary, at the WV Department of	well operator has an intent to enter upon llows: 531,790.034 4,428,558.477 Grandstaff Run Road
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he	West Virginia Cowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electronizontal drilling in 157th Street, SE, ereby given by:	Wheeling Code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530-	horizontal well on the tract of land as formula and the comparison of the comparison of the comparison of the comparison of the Secretary, at the WV Department of the Secretary of th	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he	West Virginia Cowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electronizontal drilling in 157th Street, SE, ereby given by:	Wheeling Code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530-	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he Well Operato	West Virginia Cowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electronizontal drilling in the street of the st	Wheeling Code § 22-6A-16(b), the pric mail address of the may be obtained from Charleston, WV 2530-	horizontal well on the tract of land as formula and the comparison of the comparison of the comparison of the comparison of the Secretary, at the WV Department of the Secretary of th	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he Well Operato Address:	West Virginia Cowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electronizontal drilling in the street of the st	Wheeling Wheeling Code § 22-6A-16(b), the price mail address of the may be obtained from Charleston, WV 2530-15 Company, LLC ont Dr., Suite 201	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de Authorized Representative: Address:	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60 Notice is he Well Operato Address:	West Virginia Coowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electrorizontal drilling to 157th Street, SE, ereby given by: SWN Production 1300 Fort Pierpo	Wheeling Wheeling Code § 22-6A-16(b), the price mail address of the may be obtained from Charleston, WV 2530-15 Company, LLC ont Dr., Suite 201	horizontal well on the tract of land as for Easting: Output NAD 83 Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addrese operator and the operator's authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.define Address: Authorized Representative: Address: Telephone:	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Reid Croft 1300 Fort Pierpont Dr., Suite 201
Pursuant to V the surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to facsimile nur related to ho located at 60	West Virginia Cowner's land for the WV Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of W Shall Include: West Virginia Comber and electrorizontal drilling in 157th Street, SE, Preby given by: SWN Production 1300 Fort Pierpore	Vheeling Code § 22-6A-16(b), the price mail address of the may be obtained from Charleston, WV 2530-250 Company, LLC cont Dr., Suite 201	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addre operator and the operator's authorized the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de Authorized Representative: Address:	well operator has an intent to enter upon ollows: 531,790.034 4,428,558.477 Grandstaff Run Road BW EDGE ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Reid Croft 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508

Oil and Gas Privacy Notice:

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WW-6A5 (1/12) Operator Well No. 8W EDGE MSH 210H 47 0 5 1 0 2 5 3 6

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

Notice Time I Date of Notice	Requirement: notice shall	Date Permit A	pplication Filed:	3 U			
Delivery metl	od pursuant to West Vi	rginia Code §	22-6A-16(c)				
CERTIF	IED MAIL		HAND				
	N RECEIPT REQUESTE	D	DELIVERY				
RETUR	N RECEIPT REQUESTE	D	DELIVERI				
return receipt the planned of required to be drilling of a hadamages to the (d) The notice of notice.	. Va. Code § 22-6A-16(corequested or hand delivery peration. The notice requested by subsection (borizontal well; and (3) A er surface affected by oil as required by this section	y, give the surf- uired by this s b), section ten of proposed surf- nd gas operationshall be given	ace owner whose land ubsection shall included of this article to a surface use and compense as to the extent the date to the surface owner a	will be used fo de: (1) A copy ace owner whose ation agreement mages are comp	r the drilling of of this code s e land will be t containing a pensable under	of a horizontal ection; (2) The used in conjurt of con offer of controls article six-b of controls.	well notice of the information action with the apensation for of this chapter
Notice is here	by provided to the SUR	FACE OWNE	K(s)				
(at the address		e sheriii at the					
Name: David Wa	yne Edge	e sheriff at the	Name:				
Name: David Wa Address: 27 Pir Wheeling, WV 260 Notice is here Pursuant to W	yne Edge 103 Seby given: 10st Virginia Code § 22-6	A-16(c), notice	Name: Address	ne undersigned v	well operator h	nas developed	a planned
Name: David Wa Address: 27 Pir Wheeling, WV 260 Notice is here Pursuant to W operation on State:	yne Edge e Lane 03 by given: est Virginia Code § 22-6A the surface owner's land f	A-16(c), notice	Name: Address	ne undersigned v	well operator h ct of land as fo 531,790.034 4,428,558.477	nas developed bllows:	a planned
Name: David Wa Address: 27 Pir Wheeling, WV 260 Notice is here Pursuant to W operation on State: County:	e Lane by given: est Virginia Code § 22-64 the surface owner's land f	A-16(c), notice	Name: Address is hereby given that the	ne undersigned v I well on the tra Easting: Northing:	ct of land as fo	ollows:	a planned
Name: David Wa Address: 27 Pir Wheeling, WV 260 Notice is here Pursuant to W operation on State: County: District:	yne Edge le Lane 03 Pby given: est Virginia Code § 22-64 the surface owner's land f WV Marshall Sand Hill	A-16(c), notice	is hereby given that the foliation of drilling a horizonta UTM NAD 8 Public Road	ne undersigned value on the tra Easting: Northing: Access:	ct of land as fo 531,790.034 4,428,558.477	ollows:	a planned
Name: David Wa Address: 27 Pir Wheeling, WV 260 Notice is here Pursuant to W operation on State: County:	e Lane by given: est Virginia Code § 22-64 the surface owner's land f	A-16(c), notice	is hereby given that the foliation of drilling a horizonta UTM NAD 8 Public Road	ne undersigned v I well on the tra Easting: Northing:	ct of land as fo 531,790.034 4,428,558.477 Grandstaff Run R	ollows:	a planned
Name: David Wa Address: 27 Pir Wheeling, WV 260 Notice is here Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice Separate to We provide horizontal we surface affect information rheadquarters,	wyne Edge te Lane to by given: test Virginia Code § 22-64 the surface owner's land f wy Marshall Sand Hill Wheeling, WV-OH Grandstaff Run of Wheeling Hall Include: Test Virginia Code § 22-64 d by W. Va. Code § 22 tl; and (3) A proposed sured by oil and gas operativelated to horizontal drilliculocated at 601 57th Stree	A-16(c), notice for the purpose A-16(c), this number of the extension of	is hereby given that the of drilling a horizonta UTM NAD 8 Public Road Generally us of the shall include: (1 surface owner whose ompensation agreement the damages are cained from the Secre	ne undersigned of l well on the tra Easting: Northing: Access: ed farm name: OA copy of this e land will be undersigned arm containing arompensable undersy, at the WV	ct of land as for 531,790.034 4,428,558,477 Grandstaff Run R BW EDGE code section; (ased in conjurt offer of compler article six-	(2) The information with the pensation for the of this chap of Environment	nation require e drilling of lamages to the ter. Additionantal Protection
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The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



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 210H 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

Lacy D. Pratt

AECEIVED

Office of Oil and Gas

MAR 7 2025

Environmental Protection

Ce: 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
STI-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
erriplex 80	Iron Control	Sodium Erythorbate	6381-77-7
	Water Carriers		55566-30-8
olicide 4Frac	Biocide	Tetrakis(Hydroxymethyl) Phosphonium Sulfate	
		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
lexald 055(4(v)	Scale IIIIISICO	Water	7732-18-5
Plexslick V996	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
Plexslick V996	Friction Reducer	Water	7732-18-5
			69418-26-4
		copolymer of 2-propenamide	68551-12-2
		Alcohol Ethoxylate Surfactants	7647-14-5
		Sodium Chloride	
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
Eging 1216/100 E7 -527 (22)		CHEMSTREAM-Polymer-10001 CHEMSTREAM-Polymer-10002 Water Chemstream Alkana 00001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002 RECEIVE and	CHEMSTREAM-Polymer-10002
		Water	7732-18-5
StimSTREAM FR 9800	Friction Reducer	Chemstream-Alkane-00001	Chemstream-Alkane-00001
Stims i REAIVI FR 9800	Friction Reducer	Chemistream-Aikane-0001	Chemstream-Polymer-00001
		Chemstream-Polymer-00001 Sthowylated alcohols (C13.16)	
		Ethoxylated alcohols (C12-16)	otection 7732-18-5
		Ethoxylated alcohols (C12-16) Water Distillates (petroleum), hydrotreated light Alcohols, C11-14-iso, C13-rich, ethoxylated	68551-12-2 Protection 7732-18-5
StimSTREAM FR 2800	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9
		Water	//32-18-5
StimSTREAM FR 9725	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium Chloride	12125-02-9
		Water	7732-18-5
StimSTREAM SC 398 C	Scale Inhibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10003
Annara crasuo) SE, 233, 2	A Design Annual Asia	CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
			7732-18-5

OPERATOR: SWN I	Production Co., LLC	WELL NO: BW Edge MSH	1 210H
PAD NAME: BW Ed	ge MSH		. 1
REVIEWED BY:		_ SIGNATURE: BIHLIMY	Woody
	WELL RESTRICTION	ONS CHECKLIST	
	HORIZONTA	L 6A WELL	
Well Restrictions		* Pad Built 8	11/15
	100 Feet from Pad and LOD (i Stream, Lake, Pond, Reservo	including any E&S Control Featu ir or Wetland; OR	ure) to any
DI	EP Waiver and Permit Condition	ons	
	300 Feet from Pad and LOD (Producing Trout Stream; OR	including any E&S Control Feat	ure) to any
DI	EP Waiver and Permit Condition	ons	
	1000 Feet from Pad and LOD vater Intake or Public Water Su	(including any E&S Control Fea	ture) to any
D	EP Waiver and Permit Condit	ions	
At Least Drilled; (ter Well or Developed Spring to	Well Being
s	urface Owner Waiver and Rec	orded with County Clerk, OR	Office of Oil and Gas
	EP Variance and Permit Cond		MAR 7 2025
At Least	625 Feet from an Occupied D	welling Structure to Center of the	e PadwORepartment Protection
s	urface Owner Waiver and Rec	orded with County Clerk, OR	
	DEP Variance and Permit Cond	litions	
At Least of the Pa		aildings Larger than 2500 Square	Feet to the Center
s	urface Owner Waiver and Rec	orded with County Clerk, OR	
	DEP Variance and Permit Cond	litions	