

#### west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Wednesday, September 9, 2020 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for BW EDGE MSH 3H

47-051-02342-00-00

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.

James A. Martin Chief

Operator's Well Number:

BW EDGE MSH 3H

Farm Name: WILLIAM F EDGE JR & BAR

U.S. WELL NUMBER:

47-051-02342-00-00

Horizontal 6A New Drill

Date Issued: 9/9/2020

Promoting a healthy environment.

API Number:	
COLD DOMESTIC	

### PERMIT CONDITIONS 4705102342

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

- 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.
- 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.
- 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.
- 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 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.

API Number:	
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### PERMIT CONDITIONS 4705102342

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

WW-6B (04/15) API NO. 47-051 0 5 1 0 2 3 4 2

OPERATOR WELL NO. BW Edge MSH 3H
Well Pad Name: BW Edge MSH

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

1) Well Operat	tor: SWN Pr	oduction (	Co., LLC	494512924	051-Ma	rshal Sand Hill	Wheeling
				Operator ID	County	District	Quadrangle
2) Operator's V	Well Number:	BW Edge	MSH 3H	Well P	ad Name:	BW Edge MSH	
3) Farm Name	/Surface Own	William F. E	dge, Jr. & Barba	Public R	oad Access:	Big Wheeling	Creek Road
4) Elevation, c	urrent ground:	1254'	Ele	evation, propose	d post-cons	truction: 1254'	
5) Well Type	(a) Gas <u>x</u> Other		_ Oil	Un	derground 5	Storage	
	7.77	St. 41.	v	2			
	7	Shallow	X	Deep		10.	1 -0
6) Existing Pac		-lorizontal	X			JE 129	1/2000
			(c) Antini	noted Thisleness	—		
Target Formation	- Marcellus, Up-Dip v	vell to the North	(S), Alltici	pated Thickness /D-6346', Target Base	TVD- 6398", Antic	red Pressure(s): cipated Thickness- 52',	Associated Pressure- 4159
8) Proposed To							
9) Formation at			Marcellus				
10) Proposed T	otal Measured	Depth;	16170'				
11) Proposed H	Iorizontal Leg	Length:	9324.80'				
12) Approxima	ite Fresh Water	r Strata De	pths;	615'			
13) Method to l	Determine Fre	sh Water D	epths: N	learby Water W	/ell		
14) Approxima	te Saltwater D	epths: 13	86' Salinit	y Profile Analysi	s		
15) Approxima	te Coal Seam	Depths: 7	41'				
16) Approxima	te Depth to Po	ssible Voic	d (coal mir	ie, karst, other):	None that	we are aware	of.
17) Does Propo directly overlyi				Yes		No X	
(a) If Yes, pro	vide Mine Inf	o: Name:					
		Depth:					RECEIVED Office of Oil and Ga
		Seam:					JUL 2 8 2020
		Owner					
							WV Department of Environmental Protect

APINO. 4/4057 0-5 1 0 2 3 4 2

OPERATOR WELL NO. BW Edge MSH 3H
Well Pad Name: BW Edge MSH

18)

#### CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	800'	800'	636 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2032'	2032'	639 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	16170'	16170'	Tall 2867sk/ 100' Inside Intermediate
Tubing							
Liners							

Me /24/2020

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/50% Excess
Tubing							
Liners							

#### PACKERS

Kind:	
Sizes:	
Depths Set:	RECEIVED Office of Oil and Gas
	JUL 2 8 2020

WW-68 (10/14)

## 4705102342

OPERATOR WELL NO. BW Edge MSH 3H Well Pad Name: BW Edge MSH

<ol><li>Describe proposed well work, including the drilling and plugging</li></ol>	back of	f any pilot hole:
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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 unites, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 9000 lbs @ 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

See Attachment \*\*\*

25) Proposed borehole conditioning procedures:

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

Office of Oil and Gas

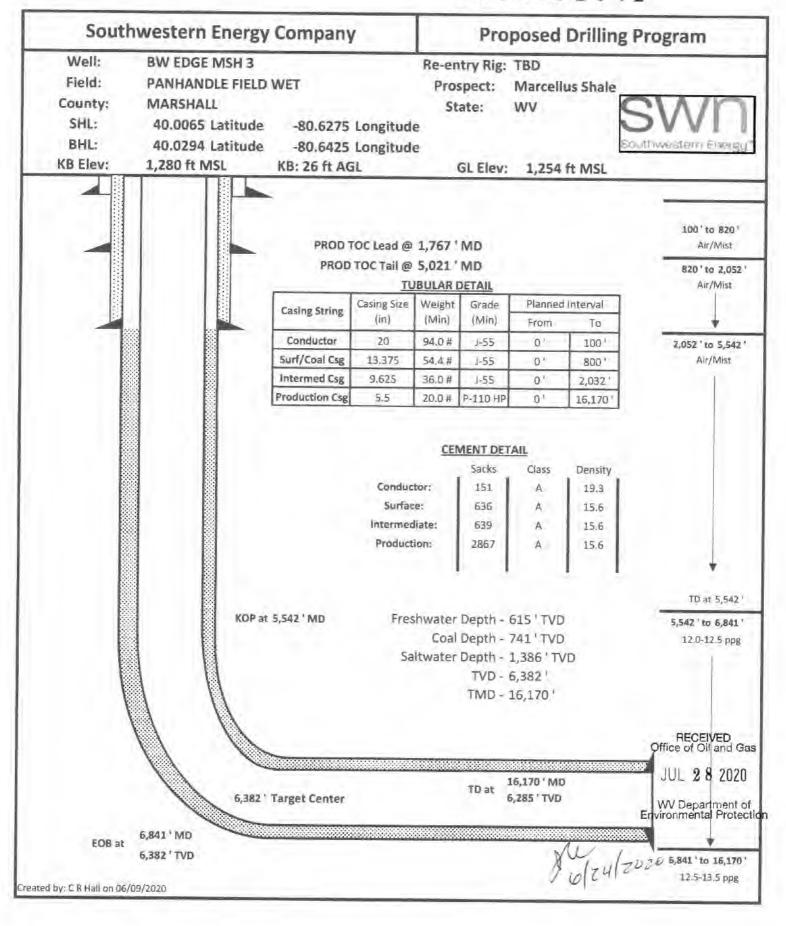
JUL 28 2020

<sup>\*</sup>Note: Attach additional sheets as needed.

INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	470510 CHEMICAL NAME	2 3 4 2 CAS-Numbe
SURFACE (FRESHWATER)	><	INTEGRA SEAL	C1600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
UD to 30 lb	5001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL	$\geq <$	INTEGRA SEAL	C1600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
PROTECTION	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
1	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D047	FP 28L	$\geq$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
NTERMEDIATE	><	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	><	><	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETAR
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	5001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
		> <	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	><	SS-11W	CJ880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	D047	FP 28L	$\times$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	><	><	CJX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	><	$\times$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETAR
PRODUCTION	D255	$\overline{}$	X	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETAR
		> <	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	><	FL-66	CJ501	LOW TEMP FLUID	POWDERED POLYSACCHARIDE	PROPRIETAR'
		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	$\times$	VISCOSIFIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETAR
	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1

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4705102342 SWN Production Company, LLC

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

July 13, 2020

Ms. Laura Adkins Office of Oil & Gas 601 57<sup>th</sup> Street Charleston, WV 25304

RE: Proposed New Well: B W Edge MSH 3H

Dear Ms. Adkins

SWN has reviewed the area of the above mentioned well and discovered no shallow wells within 500' of the lateral. This well is situated on the Edge's property, in Sand Hill District, Marshall County, West Virginia.

If you have any questions or desire additional information, please me at 304-884-1613.

Thank you.

Sincerely,

Brittany Woody

Buttary Woody

Senior Regulatory Analyst

Southwestern Energy Production Company, LLC

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JUL 28 2020

WV Department of Environmental Protection

R2 wV+"

# 4705102342

API Number 47 - 051

Operator's Well No. BW Edga MSH 3H

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

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924	
Watershed (HUC 10) Grandstaff Run of Wheeling Creek Quadrangle Wheeling	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Ves V	
Will a pit be used? Yes No 🗸	
If so, please describe anticipated pit waste;	
Will a synthetic liner be used in the pit? Yes No V If so, what mi.?	
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	V-
Underground Injection ( UIC Permit Number Various Approved Facilities  Reuse (at API Number At the next anticpiated well	
Off Site Disposal (Supply form WW-9 for disposal location)	
Other (Explain recovery and solidification on site	
Will closed loop system be used? If so, describe: Yes- See Attachment 3A	
Drilling medium anneipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Area with 5084 for	KOP to TD
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base	
Additives to be used in drilling medium? Attachment 38	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	
-Landfill or offsite name/permit number? Meadowfill SWF-1032, Short Creek SWF-1034, Carbon Limestone MSWL016761, Wetzel Cou	nty 1021
Apex Sanitary Landtill Ub-U8438, Brooke Co SWF-1013,  Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected.	ed at any
West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also of	fisclose
where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PER on August 1, 2005, by the Office of Oil and Gas of the West Virguüa Department of Environmental Protection. I unders provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other law or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am familiar with the information submit application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsiving the information, I believe that the information is true, accurate, and complete. I am aware that there are penalties for submitting false information, including the possibility of fine or imprisonment of Internation Company Official Signature.  Company Official Signature  Brittany Woody  Company Official Title Senior Regulatory Analyst  Company Official Title Senior Regulatory Analyst	and that the er applicable itted on this ponsible for
Subscribed and sworn before me this 15t day of Qurry, 20 20	WV Department of
Cessica & Van Gilder Notary Public	Environmental Protection
My commission expires 1 - 20 - 20	

posed Revegetation T	reatment: Acres Disturbe	13.88	Prevegetation pl	H
Lime as determined by	pH test min.2 Tons/acre or to c	correct to pH 6.58		
Fertilizer type	10-20-20			
Fertilizer amoun	t 600/500	lbs/acre		
Mulch_ Hay/St	traw	Tons/acre		
		Seed Mixtures		
	Temporary		Perma	ment
Seed Type Attachment <b>3C</b>	lbs/acre		Seed Type	lbs/acre
ovided). If water from the reage, of the land application	pit and proposed area for he pit will be land applied ation area.	, include dimensions (L	engineered plans includ x W x D) of the pit, and	ling this info have been dimensions (L x W), and
aps(s) of road, location, ovided). If water from the reage, of the land applications otocopied section of inv	he pit will be land applied ation area.	, include dimensions (L	engineered plans includ x W x D) of the pit, and	ling this info have been dimensions (L x W), and
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aps(s) of road, location, ovided). If water from the reage, of the land application of the land application of the land application of the land approved by:	he pit will be land applied ation area.	, include dimensions (L	engineered plans includ x W x D) of the pit, and	ling this info have been dimensions (L x W), and

Title: Oil & Gas Inspector

Date:

JUL 28 2020

Field Reviewed?

) Yes

) No

#### Attachment 3A

#### CLOSED LOOP SYSTEM

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

The closed loop system consists of several sets of a shale gas separator (often called a 'methana'), 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 high weight 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 hauloff. (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 Separater (sometimes called a methane) 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.

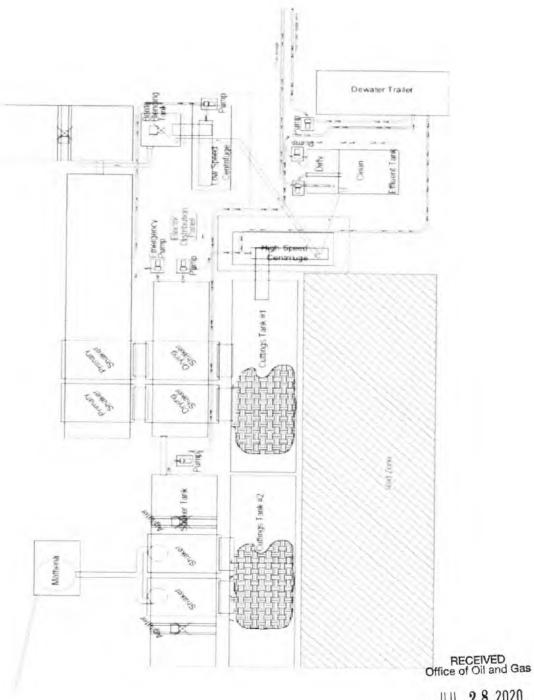
#### LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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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Solids Control Layout

JUL 28 2020

#### **Attachment 3B**

### **Drilling Mediums**

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

Air

Freshwater (if needed based on conditions)

#### Intermediate/Coal (if present):

Air

Brine (In Gas Storage areas)

Organophilic Bentonite

#### **Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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### **WVD Seeding Specification**



To Order Seed contact Lyndsi Eddy Flippo office 570-995-4271 cell 501-269-5451 lyndsi\_eddy@swn.com

(please allow 7 to 10 days for delivery)

NON-ORGANIC PROPERTIES		
Seed Mixture: ROW Mix	SWI	N Supplied
Orchardgrass	40%	
Timothy	15%	
Annual Ryegrass	15%	
Brown Top Millet	5%	
Red Top	5%	
Medium Red Clover	5%	All legumes are
White Clover	5%	innoculated at 5x normal
Birdsfoot Trefoil	5%	rate
Rough Bluegrass	5%	
Apply @ 100lbs per acre April 16th- Oct, 14th	- 0	Apply @ 2001bs per acre loc. 15th-April 15th PLUS as per acre of Winter Wheat

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

#### Seeding Calculation Information:

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

#### Synopsis:

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

#### Special Considerations:

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

nic Mix SWN Supplied
50%
50%
50%
50%
Apply @ 200lbs per acre
Oct. 15th- April 15th
Pelletized Lime @ 2 Tons per Ac

Seed Mixture: Wetland Mix	SWN Supplied	
VA Wild Ryegrass	20%	
Annual Ryegrass	20%	
Fowl Bluegrass	20%	
Cosmos 'Sensation'	10%	4
Redtop	5%	7
Golden Tickseed	5%	0
Maryland Senna	5%	CT
Showy Tickseed	5%	
Fox Sedge	2.5%	0
Soft Rush	2.5%	2
Woolgrass	2.5%	S
Swamp Verbena	2.5%	4
Apply @ 25lbs per acre April 16th- Oct. 14th		50lbs per acre the April 15th

NO FERTILIZER OR LIME INSIDE WETLAND LIMITS

ce of Sil and Gas

Rev.1/13/2020

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

Scouncel/Q 7/29/20 \_ WS

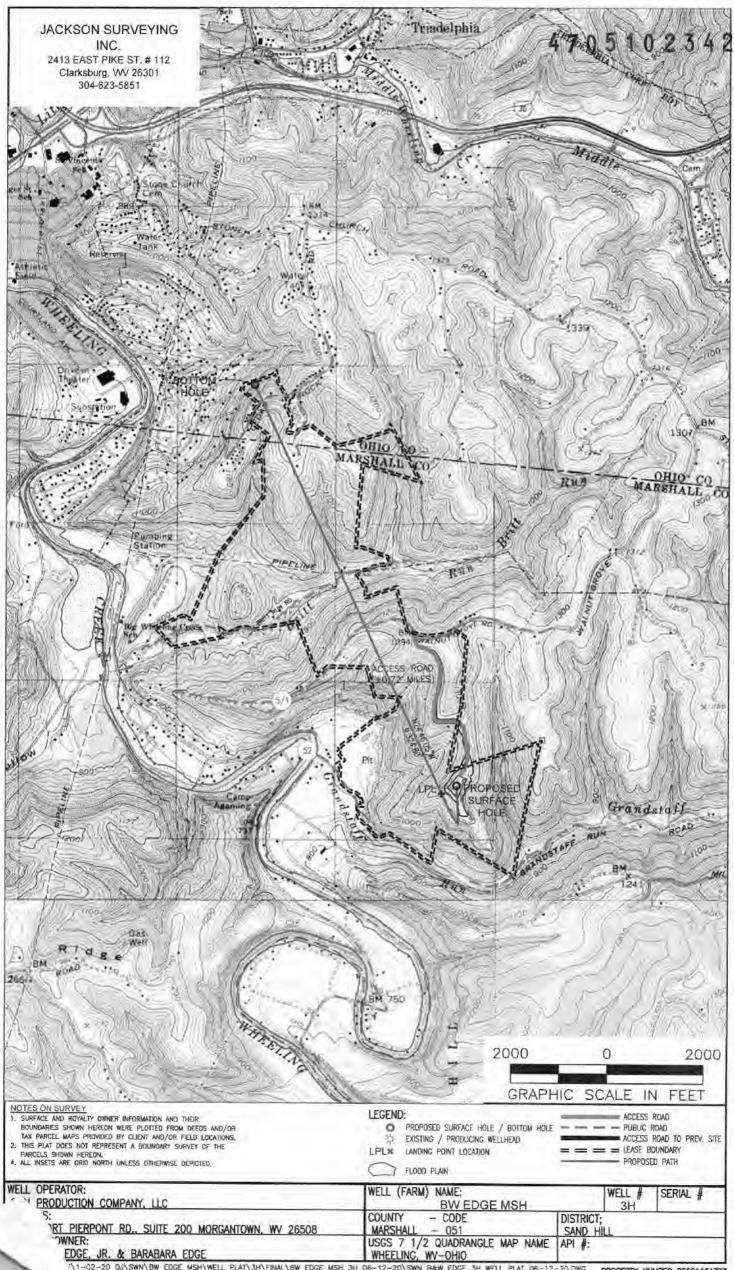


SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: BW Edge MSH 3H
Wheeling QUAD
Sand Hill DISTRICT
Marshall COUNTY, WEST VIRGINIA

Submitted by:			
Name: Brittany Woody	Date: <u>5/28/2</u>	2020	Office of Oil and Gas
Title: Senior Regulatory Analyst	SWN	Production Co., LLC	WV Department of Environmental Protection
Approved by:			
Name: Jan Unileds	Date:	124/2020	
Title: Vil + Gas luspertor			
Approved by:			
Name:	Date:		
Title:			

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL



SURNEYED BOUNDARY TRELING UNI

= LEASE BOWNTWRY

PROPOSED PATH

REVISIONS:

LEGEND:

PIS

PROPOSED SURFACE HOLE / BOTTOM HOLE

EXISTING / PRODUCING WELLHEAD
LANDING POINT LOCATION

EXISTING WATER WELL EXISTING SPRING

= 2000'

DATE: 06-12-2020

DRAWN BY: N. MAND

DRAWING NO

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

RACT	Surface owners	TAX PARCEI
Α.	CHESTER A. GIZA. ET UX	12-1-16
В	CHESTER A. GIZA, ET UX	12-2-14
c	ROBERT A. ISALY SR., EST.	12-2-13
D	WILLIAM E. GIBSON	12-9-12
Ε	ROBERT A. ISALY SR., EST.	12-9-09
5	WHEELING CREEK WATERSHED COMM.	12-9-6.1
G	SANDRA L. HADSELL	12-1-20
н	GRACE ANN KENNEDY	12-1-22.1
1	GRACE ANN KENNEDY	12-1-22
1	GREGORY SCOTT FRAZIER	12-1-23
К	GREGORY SCOTT FRAZIER	12-1-27.1
L	JOSHUA N. COX	12-1-27.2
М	PAULA SUE MUFFENY	12-1-27
N	GEORGE & LAURIE ADASE	12-1-28
0	GEORGE & LAURIE ADASE	12-1-29
P	JOHN H. KUNTZ	12-1-31
Q	CONSOLIDATION COAL COMPANY/MURRAY ENERGY	12-1-10.2
R	WILLIAM J. KUNTZ	12-1-32
S	JEFFREY J. & BARBARA J. MARPLE	12-1-32.1
T	CONSTANCE L HIGGINS - LIFE	12-1-7.3
U	SHERRY L. RUNKLE	12-1-7.2
V	KAREN SCHENK SLIGAR & TERRY B. SLIGAR	12-1-5.2
W	KAREN SCHENK SUGAR	12-1-5
X	MARY SCHENK HAMILTON & GARY P. HAMILTON	12-1-5.4
Y Z	ROBIN G. ZDONCZYK	12-1A-83.1
AZ AZ	LONNIE A, SNYDER: KIMIKO ROSS	12-1A-83.2
B2	TAYA VI TANA V	17-1A-81
CZ CZ	DAVID A. STALEY, ET UX ALBERT R. YOUNG, SR.	12-1A-77
D2	WILLIAM J. & L.L. COOK	6-717B-321 6-717B-318.1
E2	JINAH LAUDERMILT	6-7178-318
F2	ALICE A. DELANEY	6-T17B-316
G2	WILLIAM H. SNIDER	6-7178-316.1
H2	MICHAEL C. & BJ. COLVIN	6-T17B-314
12	JDS INVESTMENTS, LLC	6-T178-262
12	DOLLYE B. ROBERTS	6-7178-230
K2.	IRIS B. RIGGS	6-7178-231
L2	STELLA M. BRYAN & KATHLEEN J. BRYAN	6-T17B-232
M2	MARGARET J. STEWART	6-T17B-233
N2	ROBERT C. HAZLETT JR.	6-T17B-234
02	STELLA M. BRYAN & KATHLEEN J. BRYAN	6-T17B-235
P2	AMELIA WINSLOW	6-T178-236
Q2	STELLA M. BRYAN & KATHLEEN J. BRYAN	6-7178-237
R2	CHARLES H. & JOYCE I, BEALL	6-T178-238
S2	WALTER L. HARTMAN & G.L. HARTMAN	6-T17C-4
T2	GREGORY THOMAS REES	6-T17C-4.2
U2	JACK M. TAYLOR & G.T. TAYLOR	6-T17C-5.3
V2	RAYMOND A. CAPPONE & KAREN CAPPONE	6-T17-15
W2	MELISSA A, KULPA	6-717-17.8
X2	JOHN D. KULPA JR.	5-T17-17.16
Y2	LEONARD E, LAPINSKY	6-T17-17.15
Z2	MICAH L. ZINN & KRISTY N. ZINN	6-T17-17,14
A3	ROBERT A. SMITH & ROBIN K. SMITH	6-T17-17.13
83	JERALD L. & KIMBERLY E. HETZEL	6-T17-17.10
C3	JOSEPH D. & ANGEL L. HALL	5-717-17.4
D3	YUKIKO COMSTOCK	6-717-17.3
8	DANIEL P. HOLMES & LAURA S. HOLMES	6-717-17.2
F3	GREGORY W. BEALL & JILL A. BEALL  PATRICK L (EN7	6-717-9.3
G3	T AT IN OR ALLEYE	12-1-46
H3	MICHAEL L. & TYLENE R. COFFIELD	12-1-13
13	STEPHEN M. BARTOLONICH	12-1-11
J3	STEPHEN M. BARTOLONICH	12-1-47
K3	STEPHEN M. BARTOLOVICH	12-1-18.4
M3	JOSEPHINE GRACE NORMAN	12-1-18,3
M3	MARK A. & ANDREA SCHELLHASE	12-1-18.5
N3	CHESTER A. GIZA, ET UX	12-1-15

REVISIONS:	COMPANY:	SWN Production Company, LLC	SW Production Con	Ppany™
	OPERATOR'S WELL #: 47-01	BW EDGE MSH	API #: 47-051-	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 PARCE
1	WILLIAM F. JR. & BARBARA ANN EDGE (S) / JOSEPHINE FLETCHER (R)	12-9-08
TRACT	SURFACE OWNER (S)	TAX PARCE
2	EDITH A. FOLMAR AS TRUSTEE OF THE EDITH A. FOLMAR TRUST AGREEMENT DATED THE 23RD DAY OF MAY, 2019 (S)	12-1-19
3	MARK A. SCHELLHASE, ET UX (S)	12-1-18
4	ANNA LEASURE (S)	12-1-30
5	STEPHEN M. BARTOLOVICH (S)	12-1-11
6	STEPHEN M. BARTOLOVICH (S)	12-1-47
7	MICHAEL L. & TYLENE R. COFFIELD. (S)	12-1-10
8	WALTER L. HARTMAN, ET UX (S)	12-1-10.1
9	WALTER L. & GLORIA L. HARTMAN (S)	6-T17-17
10	DEBRA L. CAMPBELL (S)	6-T17B-320
11	WALTER I. & G.L. HARTMAN (S)	6-T17C-4.1
12	CHARLES H. & J. I. BEALL (S)	6-T17C-3
13	ANDREW & MARIE PLUTTO (S)	6-T17B-312

REVISIONS:	COMPANY:	SWN Production Company, LLC	SVV Production Cor	npany™
	OPERATOR'S WELL #: 47-05	BW EDGE MSH	API #: 47-051-	DATE: 06-12-2020  DRAWN BY: N. MANO
	DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 2

Z:\2020 BACKUP\$\1-02-20 DJ\SWN\BW EDGE MSH\WELL PLAT\3H\FINAL\BW EDGE MSH 3H 06-12-20\SWN B&W EDGE 3H WELL PLAT 06-12-20.DWG FRIDAY JUNE 12 2020 08:04AM

Operator's Well No. \_\_\_\_BW EDGE MSH 3H

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

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

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

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

#### 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.

SWN Production Company, LLC
Bailey Roger
Landman - SW Appalachia

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, 40 per 4 5 1 0 2 3 4 2 BW Edge MSH 3H

Marshall and Ohio Counties, West Virginia

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG
1)	12-0009-0008-0000	Josephine Fletcher f/k/a Josephine Fisher, a married	NPAR, LLC	20.00%	707/584
		woman acting in her sole and separate property	Chevron U.S.A. Inc.	3457674	756/332
			Chesapeake Appalachia, L.L.C.		30/532
-			SWN Production Company, LLC		33/110
2)	12-0001-0019-0000	Edith Adell Folmar, a widow	SWN Production Company, L.L.C.	18.00%	932/525
3)	12-0001-0018-0000	Mark A. Schellhase and Andrea K. Schellhase, husband and	Chesapeake Appalachia, L.L.C.	18.00%	721/468
		wife	SWN Production Company, LLC	0010474	33/110
4)	12-0001-0030-0000	Carole Ann Smith and Donald Smith, Wife and Husband,	SWN Production Company, L.L.C.	18.00%	860/325
		and Carole Ann Smith as Trustee for Ernie Leasure under	A D D WAS CONTINUED WITH A SEC		949/949
		the Last Will and Testament of Ruth Marie Leasure			
		Janice E. Stift and Ralph Stift, Jr., Wife and Husband	Chesapeake Appalachia, L.L.C.	18.00%	843/94
			SWN Production Company, LLC	2000000	35/32
		Nancy Marie Norman and Arch Norman, Wife and Husband	Chesapeake Appalachia, L.L.C.	18.00%	843/106
			SWN Production Company, LLC		35/32
		Paula Jean Walton and Gerald Walton, Wife and Husband	Chesapeake Appalachia, L.L.C.	18.00%	843/100
			SWN Production Company, LLC		35/32
		Patricia Eileen Ritchea, divorced and unremarried	Chesapeake Appalachia, L.L.C.	18.00%	843/112
		Was trick it to see within	SWN Production Company, LLC		35/32
		lluminada A. Leasure, widow	SWN Production Company, L.L.C.	18.00%	866/227
		James Elwood Leasure, Divorced and unremarried	Chesapeake Appalachia, L.L.C.	18.00%	843/136
		Action to the Control of the Control	SWN Production Company, LLC		35/32
		Martha L. Greaves and Thomas A. Greaves, Husband and Wife	SWN Production Company, L.L.C.	18.00%	852/609
		Harold Joseph Brock and Joanna Brock, Husband and Wife	Chesapeake Appalachia, L.L.C.	18.00%	843/118
			SWN Production Company, LLC	25,00,0	35/32
		Bernice Virginia Brock, Widow	Chesapeake Appalachia, L.L.C.	18.00%	843/124
			SWN Production Company, LLC	2011415	35/32
		Robert A. Brock and Wilma Brock, Husband and Wife	Chesapeake Appalachia, L.L.C.	18.00%	843/130
			SWN Production Company, LLC		35/32
		Ronald Walton, Jr., Divorced and unremarried	Chesapeake Appalachia, L.L.C.	18.00%	843/142
			SWN Production Company, LLC		35/32
		Linda Michelle Sturm and Earl F. Sturm, III, Wife and	Chesapeake Appalachia, L.L.C.	18.00%	843/148
		Husband	SWN Production Company, LLC		35/32

12-0001-0011-0000	Stephen M. Bartolovich, a single man	SWN Production Company, L.L.C.	18.00%	867/429
12-0001-0047-0000	Donna K. Auber and Greg Auber, wife and husband	TH Exploration, LLC	18.00%	865/323
		SWN Production Company, LLC		36/488
	Stephen M. Bartolovich, single	TH Exploration, LLC	18.00%	876/101
		SWN Production Company, LLC	436.5 224	36/488
	Trista N. Beatty and Isaac W. Beaty, wife and husband	SWN Production Company, LLC	18.00%	1083/43
	Florence I. Behrens, a widow	TH Exploration, LLC	18.00%	866/297
		SWN Production Company, LLC		36/488
	James L. Behrens and JoAnn E. Behrens, husband and wife	SWN Production Company, LLC	18.00%	1084/74
	Mark A. Behrens, a divorced man and not remarried	SWN Production Company, LLC	18.00%	1084/64
	Michael L. Coffield and Tylene R. Coffield, husband and	TH Exploration, LLC	18.00%	896/36
	wife	SWN Production Company, LLC		36/488
	Linda L. Cook and William Cook, husband and wife	TH Exploration, LLC	18.00%	866/32
		SWN Production Company, LLC		36/488
	Tiffany A. Danehart, a single woman	SWN Production Company, LLC	18.00%	1083/43
	Michael A. Danehart, Jr., a single man	SWN Production Company, LLC	18.00%	1083/42
	Dylan A. Danehart, a single man	SWN Production Company, LLC	18.00%	1083/42
	Glenn A. Danehart a/k/a Glenn Allen Danehart and Nancy L	. SWN Production Company, LLC	18.00%	1084/9
	Carolin D. Danehart, a single woman	<b>SWN Production Company, LLC</b>	18.00%	1084/5
	Edward J. Danehart a/k/a Edward Joseph Danehart, single- man	SWN Production Company, LLC	18.00%	1083/46
	Garnet M. Danehart, a widow and not remarried	SWN Production Company, LLC	18.00%	1083/47
	Todd A. Danehart and Angela R. Danehart, husband and wife	SWN Production Company, LLC	18.00%	1084/22
	Frederick J. Danehart, Jr. and Tiffany R. Danehart, husband and wife	SWN Production Company, LLC	18.00%	1083/48
	Robert M. Danehart, a divorced man and not remarried	SWN Production Company, LLC	18.00%	1083/45
	Cathy Sue Downing and James C. Downing, wife and husband	SWN Production Company, L.L.C.	18.00%	887/14
	Sue Haberfield, a/k/a Alberta D. Haberfield, single	TH Exploration, LLC	18.00%	878/27
		SWN Production Company, LLC		36/488

Thomas Lee Harbert, a/k/a Thomas L. Harbert, a married man dealing in his sole and separate property	SWN Production Company, LLC	17,00%	1062/71
Darlene Hoffman f/k/a Darlene Danehart and Jody L. Hoffman, wife and husband	SWN Production Company, LLC	18.00%	1084/79
Wayne F. McEndree, a single man	SWN Production Company, LLC	18.00%	1084/89
Mansell L. McEndree, Jr., a single man	SWN Production Company, LLC	18.00%	1084/94
Brandy N. Meyers and William D. Meyers, wife and husband	SWN Production Company, LLC	18.00%	1083/449
Chadd A. Miracle and Tracey L. Miracle, husband and wife	SWN Production Company, LLC	18.00%	1083/479
Raymond L. Muldrew, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1073/606
Peggy R. Marchlenski a/k/a Margaret Rose Marchlenski and Paul E. Marchlenski, wife and husband	SWN Production Company, LLC	18.00%	1083/464
Sharon L. Petri f/k/a Sharon Behrens, a widow and not remarried	SWN Production Company, LLC	18.00%	1084/69
Tammy L. Puskas f/k/a Tammy L. Danehart and Scott R. Puskas, wife and husband	SWN Production Company, LLC	18.00%	1084/49
Patricia A. Richmond a/k/a Patricia Ann Richmond, a divorced woman and not remarried	SWN Production Company, LLC	18.00%	1083/459
Vickie Sue Ernes Rouse f/k/a Vickie Sue Little, a widow and not remarried	SWN Production Company, LLC	18.00%	1084/84
Kathryn Jean Little Sztary, a widow and not remarried	SWN Production Company, LLC	18.00%	1083/489
Jennifer R. Thomas, a divorced woman and not remarried	SWN Production Company, LLC	18.00%	1083/444
Dorothy M. Zegarsky a/k/a Dorothy Zegorskey f/k/a Dorothy Danehart and Raymond A. Zegarsky, wife and husband	SWN Production Company, LLC	18.00%	1084/59
James B. Cornwell, a married man dealing in his sole and separate property	SWN Production Company, LLC	18.00%	1084/227
Christopher Paknik a/k/a Christopher Michael Paknik, a widower and not remarried	SWN Production Company, LLC	18.00%	1084/232

		Justin Lee Nash, a single man	SWN Production Company, LLC	18.00%	1084/217
		Lisa Allen f/k/a Lia Fleahman	SWN Production Company, LLC	18.00%	1088/106
		Karen Wade f/k/a Karen Fleahman	SWN Production Company, LLC	18.00%	1088/116
		Robert L. Behrens	SWN Production Company, LLC	18.00%	1088/111
		William Hicks	SWN Production Company, LLC	18.00%	1088/121
		*Jason M. Danehart	N/A	N/A	N/A
		*Joe William Muldrew	N/A	N/A	N/A
		*Debra Charlton	N/A	N/A	N/A
		*Jo Ann Teresa Danehart (sole heir of Charles D. Danehart,	N/A	N/A	N/A
		Sr.)	*****		2.00.0
		*Phyllis Stocke Danehart	N/A	N/A	N/A
		*Mary Santa Danehart	N/A	N/A.	N/A
		*Radora Long	N/A	N/A	N/A
		*Gloria Danehart Mays	N/A	N/A	N/A
		*Robert E. McEndree	N/A	N/A	N/A
7)	12-0001-0010-0000	Michael L. Coffield and Tylene R. Coffield, husband and	TH Exploration, LLC	18.00%	896/367
1	Service and the service and th	wife	SWN Production Company, LLC		36/488
8)	12-0001-0010-0001	Walter Lewis Hartman & Gloria Louise Hartman, h&w	Chesapeake Appalachia, L.L.C.	12.50%	688/622
			SWN Production Company, LLC		33/110
9)	6-0T17-0017-0000	Walter L. Hartman and Gloria L. Hartman, Husband and	American Petroleum Partners Operating, LLC	18.00%	936/111
		Wife	SWN Production Company, LLC		980/572
10)	6-T17B-0320-0000	Debra L. Campbell, married, dealing in her separate property	SWN Production Company, L.L.C.	18.00%	974/581
11)	6-T17C-0004-0001	Walter L. Hartman and Gloria L. Hartman, Husband and	American Petroleum Partners Operating, LLC	18.00%	936/111
,		Wife	SWN Production Company, LLC		980/572
12)	6-T17C-0003-0000	Charles H. Beall and Joyce I. Beall, husband and wife	NPAR, LLC	18.00%	805/67
	And the second s	And the holy are a court of the second of the second of the	Chevron U.S.A. Inc.		827/254
			Chesapeake Appalachia, L.L.C.		867/713
			SWN Production Company, LLC		885/320
121	6-T17B-0312-0000	John Andrew Pluto, aka John Andrew Plutto, single	SWN Production Company, LLC	17.00%	980/393

Mary Lou Peterson, married, dealing in her sole and separate property	SWN Production Company, LLC	17.00%	981/579
Rose Ann Dailey, single	SWN Production Company, LLC	17.00%	980/381
Eric Wise, single	SWN Production Company, LLC	18.00%	982/160
Frank Wise, single	SWN Production Company, LLC	18.00%	982/153
Jennifer Panlaque, married, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	
Tammy L. Martin, single	SWN Production Company, LLC	17.000/	982/167
Sharon L. Stone, single	SWN Production Company, LLC	17.00% 17.00%	982/147 980/387

<sup>\*</sup>Co-tenancy utilization – At least 7 mineral owners in tract and at least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The Interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.



4705102342

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

June 8, 2020

Ms. Laura Adkins WV DEP Office of Oil & Gas 601 57th St., SE Charleston, WV 25304

RE: SWN's proposed New Well: BW Edge MSH 1H & BW Edge MSH 3H in Marshall and Ohio Counties, West Virginia, Drilling under Cedar Rock Road, Britt Run Road, and Walnut Grove Road.

Dear Ms. Adkins:

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 Cedar Rock Road, Britt Run Road, and Walnut Grove 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,

Bailey Brougher
Bailey Brougher

Landman - SW Appalachia

SWN Production Company, LLC

RE WY

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

Date of Noti	ce Certification:		API No. 4	7_ 051 -	
	1.		Operator'	s Well No. BW Edge MSH 3H	
4174 5-1			Well Pad Name: BW Edge MSH		
Notice has	been given:				
Pursuant to the	ne provisions in West Virginia Code § 2	2-6A, the Operator has pro	wided the re	quired parties with the Notice Forms listed	
below for the	tract of land as follows:		Water feeting	- Total Parties with the Tyotice Politis listed	
State:	West Virginia	1 mm ( 1 1 1 mm ) 1 1 1	Easting: Northing:	531,789.906	
County:	051-Marshall	UTM NAD 83		4,428,547,199	
District	Sand Hill	Public Road Acce		Big Wheeling Creek Road	
Quadrangle:	Wheeling	Generally used t		BW Edge MSH	
Watershed: Grandstaff Run of Wheeling Creek		sometany used i	maine Hallic	Div Luge Mon	

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

that the Operator has properly served the requir	perator has attached proof to this Notice Certification red parties with the following:	000000000000000000000000000000000000000
*PLEASE CHECK ALL THAT APPLY		OOG OFFICE USE ONLY
☐ 1. NOTICE OF SEISMIC ACTIVITY OF	NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/
2 NOTICE OF ENTRY FOR PLAT SUR	VEY or NO PLAT SURVEY WAS CONDUCTED	RECEIVED
3. NOTICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	RECEIVED/ NOT REQUIRED
	☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	14-1
4. NOTICE OF PLANNED OPERATION		RECEIVED
5 PUBLIC NOTICE		RECEIVED
6. NOTICE OF APPLICATION		RECEIVED

#### Required Attachments:

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

### Certification of Notice is hereby given

, 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

304-884-1610

Its:

Senior Regulatory Analyst

Telephone:

Address

1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile:

304-884-1690

Email:

Brittany\_Woody@swn.com



Subscribed and swom before me this

My Commission Expires

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 June 1000 office, the 150.

4705102342

OPERATOR WELL NO. BW Edge MSH 3H Well Pad Name: BW Edge MSH

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

Date of Notice Date Permit Application Filed	than the filing date of permit application.
Notice of:	1
PERMIT FOR ANY CERTIFICATE OF A	PPROVAL FOR THE
	F AN IMPOUNDMENT OR PIT
WELL WORK CONSTRUCTION O	PAN INFOONDMENT ON FIT
Delivery method pursuant to West Virginia Code § 22-6A-	10(b)
☐ PERSONAL ☑ REGISTERED ☐ MET	THOD OF DELIVERY THAT REQUIRES A
	CEIPT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be leaded and gas leasehold being developed by the proposed well work described in the erosion and sediment control plan submitted pursupport or lessee, in the event the tract of land on which the well more coal seams; (4) The owners of record of the surface tract or well work, if the surface tract is to be used for the placement, contimpoundment or pit as described in section nine of this article; (5 have a water well, spring or water supply source located within or provide water for consumption by humans or domestic animals; a proposed well work activity is to take place. (c)(1) If more than the subsection (b) of this section hold interests in the lands, the applicated of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is no	d the well plat to each of the following persons: (1) The owners of record of ceated; (2) The owners of record of the surface tract or tracts overlying the proposed; if the surface tract is to be used for roads or other land disturbance as suant to subsection (c), section seven of this article; (3) The coal owner, proposed to be drilled is located [sic] is known to be underlain by one or tracts overlying the oil and gas leasehold being developed by the proposed istruction, enlargement, alteration, repair, removal or abandonment of any.) Any surface owner or water purveyor who is known to the applicant to be thousand five hundred feet of the center of the well pad which is used to me thousand five hundred feet of the center of the well pad which is used to me (6) The operator of any natural gas storage field within which the tree tenants in common or other co-owners of interests described in cant may serve the documents required upon the person described in the meight, article one, chapter eleven-a of this code. (2) Notwithstanding any not notice to a landowner, unless the lien holder is the landowner. W. Va. of provide the Well Site Safety Plan ("WSSP") to the surface owner and any ag as provided in section 15 of this rule.
☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice	ce  Well Plat Notice is hereby provided to:
SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Barbara Ann & William F. Edge	Name: C/O Leatherwood, Inc. Attn; Casey Saunders
Address: 1116 Virginia Street	Address: 1000 Consol Energy Drive
Martins Ferry, OH 43935	Canonsburg, PA 15317
Name: David Wayne Edge	COAL OPERATOR
Address: 27 Pine Lane V Wheeling, WV 26003	Name:
SURFACE OWNER(s) (Road and/or Other Disturbance)	Address:
Name:	SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
	Name: None
Name:	Address
Address:	
	☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address
Address:	
	*Please attach additional forms if necessary

API NO. 47- 4-705102342 OPERATOR WELL NO. BW Edge MSH 3H 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 that	n the filing date of permit application.		
Date of Notice Date Permit A	pplication Filed	$\mathcal{X}$		
	RTIFICATE OF APP	ROVAL FOR THE AN IMPOUNDMENT OR PIT		
Delivery method pursuant to West Virgi	mia Code § 22-6A-10	(b)		
☐ PERSONAL ☐ REGISTERE MAIL		OD OF DELIVERY THAT REQUIRES A PT OR SIGNATURE CONFIRMATION		
registered mail or by any method of delivery sediment control plan required by section sey the surface of the tract on which the well is of oil and gas leasehold being developed by the described in the erosion and sediment control operator or lessee, in the event the tract of lar 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 in have a water well, spring or water supply sou provide water for consumption by humans or proposed well work activity is to take place of subsection (b) of this section hold interests in records of the sheriff required to be maintain provision of this article to the contrary, notice	that requires a receipt of the of this article, and the ris proposed to be local proposed well work, if I plan submitted pursual of on which the well professed within one of this article; (5) A rece located within one domestic animals; and (c)(1) If more than three of the lands, the applicance of pursuant to section election is not the operator shall also proved the pursuant shall also proved the proposed the pursuant shall also proved the proposed the proposed to the proposed the proposed the proposed to the proposed the proposed to the propos	as required by this article shall deliver, by personal service or by a signature confirmation, copies of the application, the erosion and the well plat to each of the following persons: (1) The owners of record of the surface tract or tracts overlying the teles, (2) The owners of record of the surface tract or tracts overlying the the surface tract is to be used for roads or other land disturbance as int to subsection (c), section seven of this article; (3) The coal owner, opposed to be drilled is located [sic] is known to be underlain by one or cts overlying the oil and gas leasehold being developed by the proposed uction, enlargement, alteration, repair, removal or abandonment of any any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to (6) The operator of any natural gas storage field within which the elements in common or other co-owners of interests described in at may serve the documents required upon the person described in the hight, article one, chapter eleven-a of this code. (2) Notwithstanding any notice to a landowner, unless the lien holder is the landowner. W. Varovide the Well Site Safety Plan ("WSSP") to the surface owner and any as provided in section 15 of this rule.		
☐ Application Notice ☐ WSSP Notice	☑ E&S Plan Notice	Well Plat Notice is hereby provided to		
SURFACE OWNER(s) Name: Edith Folmer	/	☐ COAL OWNER OR LESSEE / Name: Murray American Energy, Inc.		
Address 244 Grandstaff Lane		Address: 6126 Energy Road		
Wheeling, WV 26003	1	Moundsville, WV 26041		
Name: Wheeling Power Company Address: 1 Riverside Place		COAL OPERATOR		
Columbus, OH 43215		Name:		
SURFACE OWNER(s) (Road and/or Oth	her Dicturbance)	Address:		
Name:		SURFACE OWNER OF WATER WELL		
Address.		AND/OR WATER PURVEYOR(s)		
		Name:		
Name:		Address:		
Address				
		☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD		
SURFACE OWNER(s) (Impoundments		Name		
Name:		Address:		
Address		*Please attach additional forms if necessary		

API NO. 47-7510 5 1 0 2 3 4 2

OPERATOR WELL NO. BW Edge MSH 3H

Well Pad Name: BW Edge MSH

#### Notice is hereby given;

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

#### This Notice Shall Include:

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

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the person 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 rebutable 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 <a href="https://www.department.gov/ord-mat/go

#### 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 ren 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 make, (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 warver, 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 madequate or otherwise require alteration to address the items

WW-6A (8-13) API NO. 47 05 7 0 5 1 0 2 3 4 2 OPERATOR WELL NO. BW Edge MSH 3H 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 illus 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 of 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 rul 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 prediction 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 uwner'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 aggreeved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

#### Written Comment:

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

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

Such persons may request, at the time of sulmitting 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 47-05-5 1 0 2 3 4 2 OPERATOR WELL NO. BW Edge MSH 3H Well Pad Name: BW Edge MSH

#### Time Limits and Methods for Filing Comments.

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

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

#### Comment Requirements

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

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

#### Permit Denial or Condition

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

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

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

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

WW-6A (8-13)

OPERATOR WELL NO. BW Edge MSH 3H Well Pad Name: BW Edge MSH

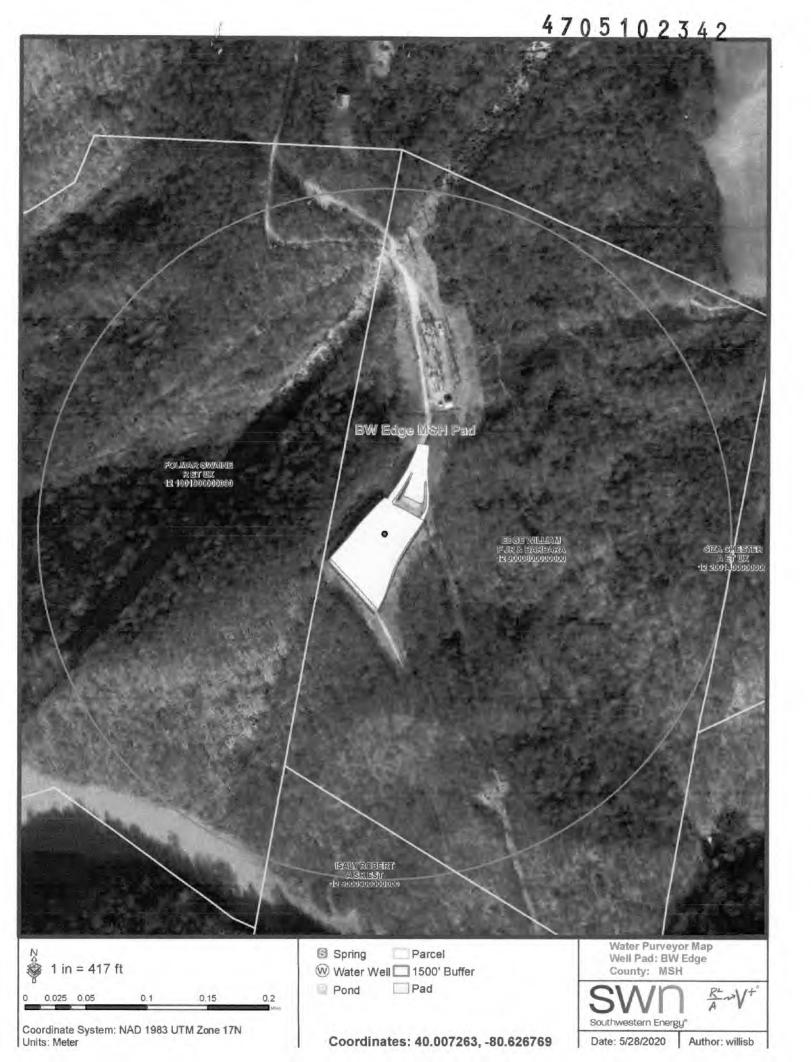
Notice is hereby given by: Well Operator: SWN Production Co., LLC Telephone: 304-884-1610 Empil: Brittany Woody@swn.com	Supply
Telephone: 304-884-1610	Moder
E-mail: Brittany Woody@swn.com	- 0

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

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 deponsacyothaer a wy and

NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGILDER State of West Virginia Comm. Expires Jul 20, 2020 SWN Production Company, LLC 179 Innovation Dr. Jane Lew, WV 2637

Subscribed and sworn before me this My Commission Expires



PERSON SERVICE Pursuant to Woon to the surfa	hod pursuant ( NAL • E	o West Virginia C	nned Entry 5/20/2020			RECEIVED Office of Oil and Gas
PERSON SERVICE Pursuant to Woon to the surfa	NAL I		nde \$ 22-64-10a			Call and Gas
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Pursuant to W		REGISTERED		ELIVERY THAT R		
THE POLICE STRIP		MAIL	RECEIPT OR SIG	GNATURE CONFIL	RMATION	_ WV Department of
owner of mine and Sediment Secretary, wh enable the sur	han forty-five di tract that has file erals underlying Control Manua ich statement sh	ays prior to such entered a declaration pur such tract in the coll and the statutes an all include contact btain copies from the	Prior to filing a permit app is required pursuant to this try to: (1) The surface own suant to section thirty-six, nunty tax records. The not ad rules related to oil and g information, including the se secretary	article Such notice ner of such tract; (2) article six, chapter of ice shall include a st as exploration and r	shall be provide to any owner or wenty-two of the atement that coperation	ed at least seven days r lessee of coal seams his code; and (3) any pies of the state Erosion
200	E OWNER(s)		/ 🗖 😁		- A	
				AL OWNER OR LE	SSEE	
Address: 1116	Ann & William F. Edge Viroloia Street	V		lurray American Energy, Inc.	V	
Martins Ferry, OH 4		1		6126 Energy Road		
Name: David Wa		1	Moundsville	, WV 26041		
Address: 27 Pir			■ MIN	VERAL OWNER(s)		
Wheeling, WV 2600			-	rold O. & Joesphine Fleicher		
Name: Edith Foli				7115 Estepa Drive	- /-	
Address: 244 G			Tujunga, CA		<b>Y</b>	
Wheeling, WV 2600	3.		*please atta	uch additional forms if ne	cessary.	
State County: District:		le § 22-6A-10(a), no nd as follows:	Public Road Watershed	itude & Longitude:	operator is plan 40.015294, -80.630 Big Wheeling Creek Upper Ohio South B & W Edge MSH	
Charleston, Wo	V 25304 (304-9	26-0450). Copies (	Manual and the statutes as epartment of Environment of such documents or addi way any/oil-and-ens/pages	al Protection headqu	intere located	of SOL STILL PARKET DE
Well Operator:		ON COMPANY, LLC	Address	and Comment		
elephone:	304-884-1610	A COMPANY, LLU	Address	1300 Fort Pierpont Dr., S	Suite 201	
mail:	Brittany_Woody@s	wn com	Facsimile:	Morgantown, WV 26508 304-884-1690		

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 depprivacyofficundlivy.cov.

Date of Noti	ce. 5/13/2020	Date of Pla	nned Entry: 5/20/2020	RECEIVED
Delivery me	thod pursuant t	o West Virginia C	ode § 22-6A-10a	Office of Oil and Gas
□ PERSO SERVIO		REGISTERED MAIL	☐ METHOD OF DELIVERY THAT REQUIRES RECEIPT OR SIGNATURE CONFIRMATION	
Pursuant to V on to the surf but no more t beneath such owner of min and Sediment Secretary, wh	Vest Virginia Co- ace tract to cond than forty-five da tract that has file terals underlying t Control Manual tich statement sh	de § 22-6A-10(a), I uct any plat survey: tys prior to such enced a declaration pur such tract in the column and the statutes an	Prior to filing a permit application, the operator shall proserved pursuant to this article. Such notice shall be pury to: (1) The surface owner of such tract; (2) to any own suant to section thirty-six, article six, chapter twenty-twenty tax records. The notice shall include a statement that rules related to oil and gas exploration and production information, including the address for a web page on the	WV Department of ovide Environmental Release provided at least seven days where or lessee of coal seams to of this code; and (3) any that copies of the state Erosio a may be obtained from the
Notice is her	eby provided to	: 1		
SURFACE	CE OWNER(s)	1	COAL OWNER OR LESSEE	1
	g Power Company	1	Name: C/O Leatherwood, Inc. Attr: Casey Saunde	
Address: 1 Riv	A CONTRACTOR OF THE PARTY OF TH		Address: 1000 Consol Energy Drive	113
Calumbus. OH 431			Canonsburg, PA 15317	
vame .				
Address			■ MINERAL OWNER(s)	
			Name:	
Vame			Address	
Address:			-	
			"please attach additional forms if necessary	
ursuant to W	on the tract of lar	de § 22-6А-10(а), п nd as follows	otice is hereby given that the undersigned well operator	is planning entry to conduct
tate:	West Virginia		Approx. Latitude & Longitude: 40.015294.	-80.630
ounty:	Marshall			ng Creek Road
District:	Sand Hill		Watershed: Upper Onio	South
	Wheeling		Generally used farm name: B & w Edge	MSH
Copies of the nay be obtain harleston, W btained from	V 25304 (304-9) the Secretary by reby given by	etary, at the WV D 26-0450). Copies visiting www.dep	Manual and the statutes and rules related to oil and gas epartment of Environmental Protection headquarters, lo of such documents or additional information related to hwv.gov/oil-and-gas/pages/default.aspx.	cated at 601 57th Street SE
Copies of the may be obtain harleston, W brained from Notice is her Vell Operator	V 25304 (304-9) the Secretary by reby given by	26-0450). Copies	epartment of Environmental Protection headquarters, lo of such documents or additional information related to b	cated at 601 57th Street SE
harleston, W btained from	V 25304 (304-9) the Secretary by reby given by	etary, at the WV D 26-0450). Copies visiting www.dep	epartment of Environmental Protection headquarters, lo of such documents or additional information related to how gov/oil-and-gas/pages/default_aspx.	cated at 601 57th Street SE

#### 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 departies of the privacy of the privacy

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 b	provided at least TEN (10) days provided at least TEN (10) day	rior id filing a	RECEIVED Office of Oil and Gas
Delivery met	hod pursuant to West Virgi	nia Code § 22-6A-16(b)		u das
				2 8 2020
L HAND	CERTIFIED	MAIL		
DELIVE	RY RETURN RE	CEIPT REQUESTED		WV Department of
receipt reques drilling a hori of this subsec subsection ma and if availab	sted or hand delivery, give the zontal well: Provided, That toon as of the date the notice very be waived in writing by the le, facsimile number and elected.	surface owner notice of its intent to notice given pursuant to subsection was provided to the surface owner surface owner. The notice, if requi rome mail address of the operator a	a enter upon to (a), section to Provided, how ired, shall inc	Environmental Protections in an operator shall, by certified fail return the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this clude the name, address, telephone number, or's authorized representative.
	reby provided to the SUR Edge, Jr. and Barbara Ann Edge	Name:		
Address: 1116		Address		
Martins Ferry, OH		- Turui C33		
Notice is be Pursuant to W	reby given: /est Virginia Code § 22-6A-1	6(b), notice is hereby given that the drilling a horizontal well on the trac	e undersigned	well operator has an intent to enter upon oflows
Notice is be Pursuant to W the surface ov State County:	reby given: lest Virginia Code § 22-6A-1 vner's land for the purpose of West Virginia Marshall	drilling a horizontal well on the trac UTM NAD 83	et of land as for Easting: Northing:	531.789.906 4.428,547.199
Notice is be Pursuant to W the surface ov State County: District:	reby given: /est Virginia Code § 22-6A-1 vner's land for the purpose of West Virginia Marshall Sand Hill	drilling a horizontal well on the trac UTM NAD 83 Public Road Acc	et of land as for Easting: Northing: cess.	531,789,906 4,428,547.199 Big Wheeling Creek Road
Notice is be Pursuant to W the surface ov State County:	reby given: lest Virginia Code § 22-6A-1 vner's land for the purpose of West Virginia Marshall	drilling a horizontal well on the trac  UTM NAD 83  Public Road Acc  Generally used i	et of land as for Easting: Northing: cess.	531.789.906 4.428,547.199
Notice is be: Pursuant to Withe surface ov State: County: District: Quadrangle: Watershed: Pursuant to Viscosimile num related to hor	reby given:  Vest Virginia Code § 22-6A-1  vner's land for the purpose of  West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (H  Shall Include:  Vest Virginia Code § 22-6A  aber and electronic mail addizontal drilling may be obtain	UTM NAD 83  Public Road Acc Generally used in the property of the operator and the operator and the operator and the operator and the WV	et of land as for Easting: Northing: cess: farm name: the name, add tor's authoriz Department of	531,789,906 4,428,547.199 Big Wheeling Creek Road B&W Edge MSH  tress, telephone number, and if available, ted representative. Additional information
Notice is be Pursuant to We the surface over State: County: District: Quadrangle; Watershed: This Notice Pursuant to Verschant to the County of the	reby given:  Vest Virginia Code § 22-6A-1  vner's land for the purpose of  West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (H  Shall Include:  Vest Virginia Code § 22-6A  aber and electronic mail addizontal drilling may be obtain	UTM NAD 83  Public Road Acc Generally used in the property of the operator and the operator and the operator and the operator and the WV	et of land as for Easting: Northing: cess: farm name: the name, add tor's authoriz Department of	531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  tress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters,
Notice is be: Pursuant to Withe surface over the surface	reby given: /est Virginia Code § 22-6A-l vner's land for the purpose of West Virginia Marshall Sand Hill Wheeling, WV/OH Grandstaff Run of wheeling Creek (H Shall Include: Vest Virginia Code § 22-6A aber and electronic mail add izontal drilling may be obtain 57th Street, SE, Charleston, V	UTM NAD 83  Public Road Acc Generally used in the property of the operator and the operator and the operator and the operator and the WV	et of land as fi Easting: Northing: cess. farm name: te name, add tor's authoriz Department of	531,789,906  4,428,547,199  Big Wheeling Creek Road  B&W Edge MSH   Tress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ep. wv. gov/nd-and-vas/pages/dafault aspx
Notice is be: Pursuant to Withe surface over the surface	reby given: //est Virginia Code § 22-6A-1 vner's land for the purpose of West Virginia Marshall Sand Hill Wheeling, WV/OH Grandstaff Run of wheeling Creek (H  Shall Include: Vest Virginia Code § 22-6A aber and electronic mail add izontal drilling may be obtain 57th Street, SE, Charleston, V	UTM NAD 83  Public Road Acc Generally used i  UC-10)  P16(b), this notice shall include the ress of the operator and the operator and from the Secretary, at the WV  VV 25304 (304-926-0450) or by vis	et of land as fi Easting: Northing: cess. farm name: te name, add tor's authoriz Department of	531,789,906  4,428,547,199  Big Wheeling Creek Road  B&W Edge MSH   Tress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ep. wv. gov/nd-and-vas/pages/dafault aspx
Notice is he Pursuant to Wathe surface over State. County: District: Quadrangle: Watershed:  This Notice Pursuant to Versuant to Versuant to hor located at 601  Notice is her well Operator.	reby given:  Vest Virginia Code § 22-6A-1  viner's land for the purpose of  West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (H  Shall Include:  Vest Virginia Code § 22-6A  aber and electronic mail add  izontal drilling may be obtain  57th Street, SE, Charleston, V  reby given by:  C. SWN Production Company, LLC	UTM NAD 83  Public Road Acc Generally used is  16(b), this notice shall include the ress of the operator and the operator and the WV  VV 25304 (304-926-0450) or by vis  Authorized Re	et of land as fi Easting: Northing: cess. farm name: te name, add tor's authoriz Department of	631,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  aress, telephone number, and if available, and representative Additional information of Environmental Protection headquarters, ep. wv. gov/oil-and-vas/pages/dufault aspx
Notice is he Pursuant to Wathe surface over State. County: District: Quadrangle: Watershed:  This Notice Pursuant to Versuant to Versuant to hor located at 601  Notice is her well Operator.	reby given: Vest Virginia Code § 22-6A-J vner's land for the purpose of West Virginia Marshall Sand Hill Wheeling, WV/OH Grandstaff Run of wheeling Creek (H Shall Include: Vest Virginia Code § 22-6A aber and electronic mail add izontal drilling may be obtain 57th Street, SE, Charleston, V reby given by: SWN Production Company, LLC 1300 Fort Pierpont Dr., Suite 201	UTM NAD 83  Public Road Acc Generally used is  16(b), this notice shall include the ress of the operator and the operator and the WV  VV 25304 (304-926-0450) or by vis  Authorized Re	et of land as fi Easting: Northing: cess. farm name: te name, add tor's authoriz Department of	631,789,906  4,428,547,199  Big Wheeling Creek Road  B&W Edge MSH   Additional information of Environmental Protection headquarters, ep. wv gov/oil-and-vas/pages/default aspx  Justin Booth  1300 Fort Pierpont Dr., Suite 201
Notice is he Pursuant to Wathe surface ov State County District Quadrangle: Watershed: This Notice Pursuant to Vaccimile numbered at 601 Notice is her Well Operator Address:	reby given: //est Virginia Code § 22-6A-J vner's land for the purpose of West Virginia Marshall Sand Hill Wheeling, WV/OH Grandstaff Run of wheeling Creek (H  Shall Include: Vest Virginia Code § 22-6A aber and electronic mail add izontal drilling may be obtain 57 <sup>th</sup> Street, SE, Charleston, V  reby given by:  SWN Production Company, LLC 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508	UTM NAD 83  Public Road Acc Generally used in the sess of the operator and the operator and the operator and the WV 25304 (304-926-0450) or by vis Authorized Read Address:	et of land as fi Easting: Northing: cess. farm name: te name, add tor's authoriz Department of	531,789,906  4,428,547,199  Big Wheeling Creek Road  B&W Edge MSH   Tress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ep. wv. gov/oil-and-vas/pages/dufault aspx  Justin Booth  1300 Fort Pierpont Dr., Suite 201  Morgantown, WV 26508

#### Oil and Gas Privacy Notice

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

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 1 be: 06/05/2020 Date Perm	east TEN (10) days prior to fill against Application Filed	permit application.
Delivery met	hod pursuant to West Virginia Code § 22	-6A-16(b)	RECEIVED Office of Oil and Gas
☐ HAND DELIVE	CERTIFIED MAIL RETURN RECEIPT REQU	JESTFD	JUL 28 2020
Pursuant to V receipt reque drilling a hor of this subsection in and if availab	V. Va Code § 22-6A-16(b), at least ten days sted or hand delivery, give the surface owner izontal well: Provided, That notice given pution as of the date the notice was provided to be waived in writing by the surface owner le, facsimile number and electronic mail address.	s prior to filing a permit application, or notice of its intent to enter upon the pursuant to subsection (a), section to the surface owner. Provided, hower. The notice, if required, shall includes of the operator and the operator	Environmental Pideos for the purpose of in of this article satisfies the requirements rever. That the notice requirements of this ude the name, address, telephone number
	reby provided to the SURFACE OW! therwood, Inc., ATTN: Casey Saunders	NER(s): Name:	
The state of the s	Consol Energy Dr	Address:	-
Canonsburg, PA			
State: County: District:	wher's land for the purpose of drilling a horn West Virginia Marshall Sand Hill	UTM NAD 83 Easting: Northing: Public Road Access:	531,789.906 4,428,547.199 Big Wheeling Creek Road
Quadrangle:	Wheeling, WV/OH	Generally used farm name:	B&W Edge MSH
Watershed	Grandstaff Run of wheeling Creek (HUC-10)		
Pursuant to facsimile nur related to ho	Shall Include: West Virginia Code § 22-6A-16(b), this report and electronic mail address of the optional drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 (30)	perator and the operator's authorize Secretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters,
Notice is he	reby given by:		
Well Operato	SWN Production Company, LLC	Authorized Representative:	Justin Booth
Address.	1300 Fort Pierpont Dr., Suite 201	Address	1300 Fort Plerpont Dr., Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
Telephone	304-884-1675	Telephone:	304-884-1675
Email:	Justin_Booth@SWN.com	Email:	Justin_Booth@SWN.com
Facsimile:		Facsimile;	

Oil and Gas Privacy Notice:

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

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

Notice Time Date of Noti	Requirement: 06/05/2020	Notice shall be provided at Date Pern	least TEN (10) days prior to fill of a	permit application.
Delivery me	thod pursuant t	o West Virginia Code § 22	2-6A-16(b)	
☐ HAND		CERTIFIED MAIL		
DELIVE		RETURN RECEIPT REQU	TESTED	
receipt reque drilling a hor of this subsec subsection m and if availab	sted or hand deli izontal well: Pr tion as of the da ay be waived in le, facsimile nur	very, give the surface owner conded. That notice given pute the notice was provided to writing by the surface owner mber and electronic mail add	or notice of its intent to enter upon to bursuant to subsection (a), section to the surface owner. Provided, hower. The notice, if required, shall includes of the operator and the operator	an operator shall, by certified mail return the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
		to the SURFACE OW!		
Address: 6126	American Energy, Inc.		Name:	
Moundsville, WV			Address:	
State: County: District:	West Virginia Marshall Sand Hill		- UTM NAD 83 Easting: Northing:	531,789.906 4,428,547.199 Big Wheeling Creek Road
Quadrangle:	Wheeling, WV/OH		Generally used farm name:	B&W Edge MSH
Watershed:		vheeling Creek (HUC-10)	Generally used milli haine.	baw Euge Man
Pursuant to V facsimile nur related to hor	nber and electro izontal drilling	ode § 22-6A-16(b), this in mic mail address of the op- may be obtained from the S	perator and the operator's authorized Secretary, at the WV Department of	ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.ww.gov/oil-and-gas/nuges/default/aspx.
Pursuant to V facsimile nur related to hor located at 601	West Virginia Conber and electronic distribution of the contract of the contra	ode § 22-6A-16(b), this in onic mail address of the op- may be obtained from the S Charleston, WV 25304 (30	perator and the operator's authorized Secretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters
Pursuant to V facsimile nur related to hor located at 601	West Virginia Conber and electronizated drilling of 57th Street, SE, reby given by:	ode § 22-6A-16(b), this in onic mail address of the op- may be obtained from the § Charleston, WV 25304 (30	perator and the operator's authorized Secretary, at the WV Department of 04-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters, ep. www.gov/oil-and-gas/ninges/default aspx.
Pursuant to Vaccimile numeristed to hor located at 601  Notice is he	Vest Virginia Conber and electronized drilling of 57th Street SE, reby given by:	ode § 22-6A-16(b), this in onic mail address of the op- may be obtained from the § Charleston, WV 25304 (30	perator and the operator's authorized Secretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters.  20, www.gov/oil-and-gas/nages/default aspx.  Justin Booth
Pursuant to Vifacsimile nur related to hor located at 601 Notice is he Well Operato	Vest Virginia Conber and electronized drilling of 57th Street SE, reby given by:	ode § 22-6A-16(b), this in onic mail address of the op- may be obtained from the S Charleston, WV 25304 (30 of Company, LLC ont Dr., Sulte 201	Secretary, at the WV Department of 04-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters, ep. www.gov/oil-and-gas/ntges/detault/asps.
Pursuant to Vifacsimile nur related to hor located at 601 Notice is he Well Operato	Vest Virginia Conber and electronized drilling 57th Street SE, reby given by:  SWN Production 1300 Fort Pierpo	ode § 22-6A-16(b), this in onic mail address of the op- may be obtained from the S Charleston, WV 25304 (30 of Company, LLC ont Dr., Sulte 201	Secretary, at the WV Department of 04-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters, ep. www.gov/oil-and-gas/niges/default aspx.  Justin Booth  1300 Fort Pierpont Dr., Suite 201

Oil and Gas Privacy Notice

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

Notice Time Date of Noti	Requirement: Notice shall be provided at le ce 06/05/2020 Date Perm	east TEN (10) days prior to filing a	permit application.
Delivery me	thod pursuant to West Virginia Code § 22	-6A-16(b)	
☐ HAND	CERTIFIED MAIL		
DELIVI		ESTED	
DESCRIVE	RETURN RECEIFT REQU	ESTED	
receipt reque drilling a hor of this subser subsection m and if availab	V. Va. Code § 22-6A-16(b), at least ten days sted or hand delivery, give the surface owner izontal well: Provided. That notice given protion as of the date the notice was provided to ay be waived in writing by the surface owners, facsimile number and electronic mail additional and the surface of the surface owners.	r notice of its intent to enter upon the ursuant to subsection (a), section to the surface owner. Provided, how the notice, if required, shall includes of the operator and the operator.	he surface owner's land for the purpose of en of this article satisfies the requirements vever. That the notice requirements of this lude the name, address, telephone number,
	reby provided to the SURFACE OWN	Name:	
Address: 1 Ri		Address:	
Columbus, OH 4		Audi Coo.	
State County: District: Quadrangle	West Virginia  Marshall  Sand Hill  Wheeling, WV/OH	Public Road Access Generally used farm name:	531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH
Watershed:	Grandstaff Run of wheeling Creek (HUC-10)		
Pursuant to facsimile nur related to ho	Shall Include: West Virginia Code § 22-6A-16(b), this not observed and electronic mail address of the optiziontal drilling may be obtained from the Startest SE, Charleston, WV 25304 (30)	erator and the operator's authorized ecretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters,
Notice is he	ereby given by		
Well Operato		Authorized Representative:	Justin Booth
Address:	1300 Fort Pierpont Dr., Suite 201	Address	1300 Fort Pierpont Dr., Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
Telephone:	304-884-1675	Telephone:	304-884-1675
Email:	Justin_Booth@SWN.com	Email:	Justin_Booth@SWN.com
Facsimile:		Facsimile:	

#### Oil and Gas Privacy Notice:

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

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 Not	Requirement: Notice shall be provided at l ce. 06/05/2020 Date Pern	east TEN (10) days prior to filings	a permit application.
Delivery me	thod pursuant to West Virginia Code § 22	-6A-16(b)	
☐ HAND	CERTIFIED MAIL		
DELIV	— season true man	JESTED	
drilling a hor of this subse- subsection m	V. Va. Code § 22-6A-16(b), at least ten days sted or hand delivery, give the surface owner izontal well. <i>Provided</i> , That notice given potion as of the date the notice was provided to ay be waived in writing by the surface owner le, facsimile number and electronic mail additional steps.	r notice of its intent to enter upon to sursuant to subsection (a), section to the surface owner: Provided, how to the notice, if required, shall inc.	he surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this
	reby provided to the SURFACE OWN	VER(s):	
Name David V		Name:	
Address 27 F Wheeling, WV 2		Address:	
the surface of State: County: District: Quadrangle: Watershed:	Vest Virginia Code § 22-6A-16(b), notice is when's land for the purpose of drilling a horiz West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (HUC-10)	zontal well on the tract of land as for UTM NAD 83 Easting Northing Public Road Access: Generally used farm name:	531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH
Pursuant to ' facsimile nur related to hor	Shall Include: West Virginia Code § 22-6A-16(b), this not aber and electronic mail address of the optizontal drilling may be obtained from the S 57th Street, SE, Charleston, WV 25304 (30)	erator and the operator's authorized	ed representative. Additional information
Notice is he	reby given by:		
Well Operato		Authorized Representative:	Justin Booth
Address:	1300 Fort Pierpont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201
	Morgantown, WV 26508		Morgantown, WV 26508
Telephone:	304-884-1675	Telephone:	304-884-1675
Email: Facsimile:	Justin_Booth@SWN.com	Email. Facsimile:	Justin_Booth@SWN.com
2-73-0-45-51		L'atominio)	

#### Oil and Gas Privacy Notice:

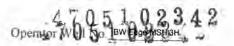
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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 depurivacy officer and depurivacy of ficer and depurity of ficer and deputity of ficer and deputition of the first of the

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 Not	Requirement: Notice shall be provi ice: 06/05/2020 Date	te Permit Application Filed	perint application
Delivery me	thod pursuant to West Virginia Co	de § 22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIV	- 2000 100 100 1111 110		
drilling a hor of this subse- subsection m	rizontal well: Provided, That notice ction as of the date the notice was protection as of the date the notice was protection as of the date the notice was protection as of the date the notice was protected in writing by the surface	se owner notice of its intent to enter upon given pursuant to subsection (a), section ovided to the surface owner. Provided In	in, an operator shall, by certified mail return the surface owner's land for the purpose of ten of this article satisfies the requirements owever. That the notice requirements of this clude the name, address, telephone number, tor's authorized representative.
	ereby provided to the SURFACE	OWNER(s):	
Name: Edith Fo		V Name:	
Address: 244		Address	
TAVESSIES VAN / PO			
Pursuant to V	ereby given Vest Virginia Code § 22-6A-16(b), n	otice is hereby given that the undersigne	d well operator has an intent to enter upon
Notice is he Pursuant to V the surface of State County District	ereby given Vest Virginia Code § 22-6A-16(b), n	otice is hereby given that the undersigne g a horizontal well on the tract of land as  UTM NAD 83  Easting: Northing: Public Road Access	follows: 531,789.906 4,428,547.199
Notice is he Pursuant to V the surface of State County District Quadrangle:	ereby given.  West Virginia Code § 22-6A-16(b), nowner's land for the purpose of drilling West Virginia  Marshall	g a horizontal well on the tract of land as  UTM NAD 83 Easting: Northing: Public Road Access	follows: 531,789.906
Notice is he Pursuant to V the surface of States County	ereby given.  Vest Virginia Code § 22-6A-16(b), u  wher's land for the purpose of drilling  West Virginia  Marshall  Sand Hill	g a horizontal well on the tract of land as UTM NAD 83 Easting: Northing:	follows: 531,789,906 4,428,547.199 Big Wheeling Creek Road
Notice is he Pursuant to V the surface of State County District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor	west Virginia Code § 22-6A-16(b), nowner's land for the purpose of drilling West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (HUC-10)  Shall Include:  West Virginia Code § 22-6A-16(b), nober and electronic mail address of trizontal drilling may be obtained from	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 authorism the Secretary, at the WV Department.	follows: 531,789,906 4,428,547.199 Big Wheeling Creek Road
Notice is he Pursuant to V the surface or State County District Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 60 Notice is he	West Virginia Code § 22-6A-16(b), in where's land for the purpose of drilling West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (HUC-10)  Shall Include:  West Virginia Code § 22-6A-16(b), inber and electronic mail address of rizontal drilling may be obtained from 1 57 <sup>01</sup> Street, SE, Charleston, WV 25: creeby given by:	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 authorism the Secretary, at the WV Department.	follows: 531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  dress, telephone number, and if available, and representative. Additional information of Environmental Protection bendanistation.
Notice is he Pursuant to V the surface or State County District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 60 Notice is he Well Operato	West Virginia Code § 22-6A-16(b), in where's land for the purpose of drilling West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (HUC-10)  Shall Include:  West Virginia Code § 22-6A-16(b), inber and electronic mail address of rizontal drilling may be obtained from 1 57 <sup>01</sup> Street, SE, Charleston, WV 25: creeby given by:	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 authorism the Secretary, at the WV Department.	follows: 531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  dress, telephone number, and if available, zed representative. Additional information of Environmental Protection headquarters, ten wv.pov/oil-and-aus raves/deficilt aspx.
Notice is he Pursuant to V the surface or State County District Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 60 Notice is he	west Virginia Code § 22-6A-16(b), in wher's land for the purpose of drilling West Virginia  Marshall Sand Hill Wheeling, WV/OH Grandstaff Run of wheeling Creek (HUC-10)  Shall Include: West Virginia Code § 22-6A-16(b), inber and electronic mail address of rizontal drilling may be obtained from S7 <sup>th</sup> Street, SE, Charleston, WV 25: creby given by:	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 authorism the Secretary, at the WV Department 304 (304-926-0450) or by visiting www.	follows: 531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  dress, telephone number, and if available, zed representative. Additional information of Environmental Protection headquarters, then we povious and suppose the fault aspection we povious and suppose the fault aspection.
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Notice is he Pursuant to V the surface or State County District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 60 Notice is he Well Operato	West Virginia Code § 22-6A-16(b), in whier's land for the purpose of drilling West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of wheeling Creek (HUC-10)  Shall Include: West Virginia Code § 22-6A-16(b), in ber and electronic mail address of rizontal drilling may be obtained from S70 Street, SE, Charleston, WV 25:  Treby given by:  SWN Production Company, LLC  1300 Fort Pierpont Dr., Suite 201	g a horizontal well on the tract of land as Easting: Northing: Public Road Access Generally used farm name:  this notice shall include the name, add the operator and the operator's authorism the Secretary, at the WV Department 304 (304-926-0450) or by visiting www.	follows: 531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  dress, telephone number, and if available, zed representative. Additional information of Environmental Protection headquarters, ten www.pov/oil-and-aus-paves/deficult aspx.  Justin Booth 1300 Fort Pierpont Dr., Suite 201
Notice is he Pursuant to V the surface of State County District Quadrangle: Watershed:  This Notice Pursuant to V facsimile nur related to hor located at 60  Notice is he Well Operato Address:	west Virginia Code § 22-6A-16(b), in wher's land for the purpose of drilling West Virginia  Marshall Sand Hill Wheeling, WV/OH Grandstaff Run of wheeling Creek (HUC-10)  Shall Include: West Virginia Code § 22-6A-16(b), inber and electronic mail address of rizontal drilling may be obtained from S7 <sup>th</sup> Street, SE, Charleston, WV 25: creby given by:  SWN Production Company, LLC 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508	g a horizontal well on the tract of land as Easting: Northing: Public Road Access Generally used farm name:  this notice shall include the name, add the operator and the operator's authorism the Secretary, at the WV Department 304 (304-926-0450) or by visiting www.  Authorized Representative Address:	follows: 531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH  dress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ten www.pov/oil-and-aus rouses/definit aspx.  Justin Booth 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508

#### 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(cown sour



Notice Time Date of Noti	ce: 06/01/2020 Date P	ermit Applica	tion Filed:	(19)	
Delivery me	thod pursuant to West Virginia	Code § 22-6A-	-16(c)	1/2	
CERTI	FIED MAIL	☐ HAN	m		
	RN RECEIPT REQUESTED		IVERY		
the planned of required to be drilling of a damages to the	peration. The notice required be provided by subsection (b), section (c), section (d) and page to surface affected by oil and page to surface affected by oil and page to the surface affected by oil and page	the surface ow by this subsection ten of this a sed surface use operations to the	ner whose land on shall inch article to a sure and compen- artent the d	id will be used for ade: (1) A copy face owner who station agreement	ication, 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 nt containing an offer of compensation for appensable under article six-b of this chapter isted in the records of the short at the time office of Oil and Gas
Notice is her	eby provided to the SURFACE	OWNER(s)			JUL 28 2020
	a Tinggal in the second of the fact of the S	ff at the time of	notice):		JUL 2 8 2020
at the addres	s listed in the records of the sherif				
Name: William F	Edge, Jr. and Barbara Ann Edge	/	Name:		terest of
Name: William F Address: 1116 Martins Ferry, OH Notice is her- Pursuant to W	Edge, Jr. and Barbara Ann Edge Virginia St. 43935  eby given:  est Virginia Code § 22-6A-16(c).	notice is hereb	Name: Addres	he undersigned	WV Department of Environmental Protection well operator has developed a planned
Name: William F Address 1116 Martins Ferry, OH Notice is her Pursuant to W operation on State:	Edge, Jr. and Barbara Ann Edge  Virginia St.  43935  eby given;  est Virginia Code § 22-6A-16(c), the surface owner's land for the p  West Virginia	notice is hereb	Name: Addres	he undersigned al well on the tra k3 Easting.	well operator has developed a planned act of land as follows:
Name: William F Address 1116 Martins Ferry, OH Notice is her- Pursuant to W operation on State; County.	Edge, Jr. and Barbara Ann Edge Virginia St. 43935  eby given:  est Virginia Code § 22-6A-16(c); the surface owner's land for the p West Virginia Marshall	notice is hereb	Name: Address by given that to ng a horizonta UTM NAD	he undersigned al well on the tra Easting: Northing	well operator has developed a planned act of land as follows:  531,789.906  4.428,547 199
Name: William F Address 1116 Martins Ferry, OH Notice is her Pursuant to W operation on State; County. District:	Edge, Jr. and Barbara Ann Edge Virginia St. 43935  eby given:  est Virginia Code § 22-6A-16(c); the surface owner's land for the p West Virginia Marshall Sand Hill	notice is hereb	Name: Address by given that ting a horizonta UTM NAD a	he undersigned al well on the tra Easting: Northing: Access:	well operator has developed a planned act of land as follows:  531,789.906  4.428,547.199  Big Wheeling Creek Road
Name: William F Address: 1116 Martins Ferry, OH Notice is her- Pursuant to W	Edge, Jr. and Barbara Ann Edge Virginia St. 43935  eby given:  est Virginia Code § 22-6A-16(c); the surface owner's land for the p West Virginia Marshall	notice is hereburpose of drilli	Name: Address by given that ting a horizonta UTM NAD a	he undersigned al well on the tra Easting: Northing	well operator has developed a planned act of land as follows:  531,789,906  4,428,547,199
Name: William F Address 1116 Martins Ferry, OH Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: Watershed: Finis Notice S Pursuant to W o be provide perizontal we surface affect	Edge, Jr. and Barbara Ann Edge Virginia St. 43935  eby given:  /est Virginia Code § 22-6A-16(c).  the surface owner's land for the p West Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of Wheeling Creek (HuC-10)  thall Include:  /est Virginia Code § 22-6A-10(t)  thall include:  /est Virginia Code § 25-6A-10(t)  Street Section of the possible of the possi	notice is hereburpose of drilling, this notice shape to a surface and compensate extent the documents of the obtained from the discourse of the obtained from the discourse of the obtained from the discourse of the obtained from the obtained from the discourse of the obtained from t	Name: Address  Dy given that to the properties of the secretary was all include: (I owner whose atton agreeme amages are com the Secretary and the Secretary	he undersigned all well on the tra Basting: Northing: Access: ed farm name  A copy of this e land will be understontaining arompensable understary, at the WV	well operator has developed a planned act of land as follows:  531,789.906  4.428,547.199  Big Wheeling Creek Road  B&W Edge MSH  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
Name: William F Address: 1116 Martins Ferry, OH Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed:  Chis Notice S Pursuant to W o be provide pursuant to W o be provide pursuant to w or be provide pursuant to w	Edge, Jr. and Barbara Ann Edge  Virginia St.  43935  Leby given:  Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pwest Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of Wheeling Creek (HuC-10)  Chall Include:  Lest Virginia Code § 22-6A-16(c) dby W. Va. Code § 22-6A-10(t), and (3) A proposed surface used by oil and gas operations to the lated to horizontal drilling may located at 601 57 <sup>th</sup> Street, SE, and taspy:	notice is hereburpose of drilling, this notice shape to a surface and compensate extent the documents of the obtained from the discourse of the obtained from the discourse of the obtained from the discourse of the obtained from the obtained from the discourse of the obtained from t	Name: Addres  Addres  by given that it ing a horizont  UTM NAD a  Public Road  Generally us  all include: (1  owner whose ation agreeme amages are com the Secre  WV 25304	he undersigned all well on the tra Easting: Northing: Access: ed farm name  A copy of this e land will be understontaining arompensable undersy, at the WV (304-926-0450)	well operator has developed a planned act of land as follows:  531,789,906  4,428,547,199  Big Wheeling Creek Road  B&W Enge MSH  code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
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Name: William F Address: 1116 Martins Ferry, OH Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: Watershed: Pursuant to W o be provide	Edge, Jr. and Barbara Ann Edge  Virginia St.  43935  Leby given:  Vest Virginia Code § 22-6A-16(c), the surface owner's land for the pwest Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of Wheeling Creek (HuC-10)  Chall Include:  Lest Virginia Code § 22-6A-16(c) dby W. Va. Code § 22-6A-10(t), and (3) A proposed surface used by oil and gas operations to the lated to horizontal drilling may located at 601 57 <sup>th</sup> Street, SE, and taspy:	notice is hereburpose of drilling, this notice shape to a surface and compensate extent the documents of the obtained from the discourse of the obtained from the discourse of the obtained from the discourse of the obtained from the obtained from the discourse of the obtained from t	Name: Addres  Addres  by given that it ing a horizont  UTM NAD a  Public Road  Generally us  all include: (1  owner whose ation agreeme amages are com the Secre  WV 25304	he undersigned all well on the tra Easting: Northing: Access: ed farm name  A copy of this e land will be understontaining arompensable undersy, at the WV (304-926-0450)	well operator has developed a planned act of land as follows:  531,789.906  4.428,547.199  Big Wheeling Creek Road  B&W Edge MSH  code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.den.wv.gov/oil-and-pr., Suite 201

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will 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 deportvacyofficeralwy gov.

WW-6A5 (1/12)

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

Notice Time Date of Noti	Requirement: notice shall be pro ce: 06/05/2020 Date P	ovided no later than the ermit Application Fil	e filing <u>d</u> ed-	ate of permi	The state of the s
	****	o min asppirention in		1 14	RECEIVED
Delivery me	thod pursuant to West Virginia	Code § 22-6A-16(c)			Office of Oil and Gas
■ CERTI	FIED MAIL	☐ HAND			JUL 28 2020
RETU	RN RECEIPT REQUESTED	DELIVERY			WV Department of
return receipt the planned required to be drilling of a damages to the	requested or hand delivery, give operation. The notice required to provided by subsection (b), sect horizontal well: and (3) A propose surface affected by oil and gas	the surface owner who by this subsection shall ion ten of this article to sed surface use and co operations to the exten	ose land I include a surface ompensa t the dan	will be used for e: (1) A copy ce owner who tion agreement mages are com-	cation, an operator on a policy control of main 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 it containing an offer of compensation for pensable under article six-b of this chapter sted in the records of the sheriff at the time
(at the addres Name: C/O Lea	eby provided to the SURFACE is listed in the records of the sheri therwood, Inc. ATTN: Casey Saunders Consol Energy Drive	ff at the time of notice)	Name:		
Canonsburg, PA			Address.		
Notice is her Pursuant to V operation on State: County District: Quadrangle:		ourpose of drilling a ho UTM Public	NAD 83 Road A	well on the tra Easting Northing	531,789,906 4,428,547,199 Big Wheeling Creek Road
Watershed:	Grandstaff Run of Wheeling Creek (HUC-10)		my usen	rarm name:	B&W Edge MSH
Pursuant to V to be provide horizontal we surface affect information r	ed by W, Va. Code § 22-6A-10(I II; and (3) A proposed surface us red by oil and gas operations to t elated to horizontal drilling may located at 601 57th Street SE.	<ul> <li>to a surface owner e and compensation ag he extent the damages be obtained from the</li> </ul>	whose reement are con Secretar	and will be a containing ar opensable und v. at the WV	code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the let article six-b of this chapter Additional Department of Environmental Protection or by visiting www.dep.wv.gov/pil-and-
Well Operato	SWN Production Company, LLC	Add	ress: 1	300 Fort Pierpont (	Dr., Suite 201
Telephone:	304-884-1675		n.	Moreantown WV 26	1508

#### Oil and Gas Privacy Notice:

Email:

304-884-1675

Justin\_Booth@SWN.com

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(awy.go).

Facsimile:

Morgantown, WV 26508

Operator Well NS BWEGG MSH34 4 2

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

Notice Time Date of Notic	Requirement: notice shall be price: 06/05/2020 Date P		o later than pplication		date of permit	application.	100c5of10il@n2G5 4 2
Delivery met	hod pursuant to West Virginia	Code §	22-6A-16(e	c)			JUL 2 8 2020
■ CERTI	FIED MAIL	П	HAND				20 CA 94
	RN RECEIPT REQUESTED	_	DELIVE	RY			WV Department of Environmental Protection
return receipt the planned of required to be drilling of a li damages to the (d) The notice of notice.	V Va. Code § 22-6A-16(c), no requested or hand delivery, give operation. The notice required be provided by subsection (b), sectionizantal well; and (3) A propose surface affected by oil and gas as required by this section shall be	the surfa by this s ion ten o ised surfa operation e given i	ace owner of this article ace use and the extension of the extension of the surface the su	whose land shall inclu- le to a surf d compens stent the de	I will be used for de: (1) A copy ace owner who sation agreement umages are com	or the drilling of of this code see land will be not containing a spensable under	of a horizontal well notice of ection; (2) The information used in conjunction with the n offer of compensation for article six-b of this chapter
	eby provided to the SURFACE s listed in the records of the sheri			ice):			
	American Energy, Inc.	3 00 - 00 -	1	Name			
Address: 6126	Energy Road		1	Address	\$		
Moundsville, WV	26041						
State: County	the surface owner's land for the West Virginia Marshall	purpose o	_ u	TM NAD 8	Easting: Northing:	531,789.906 4,428,547.199	
District:	Sand Hill			blic Road	Charles and a second	Big Wheeling Cre	ek Road
Quadrangle:	Wheeling, WV/OH		Ge	enerally use	ed farm name:	B&W Edge MSH	
Watershed:	Grandstaff Run of Wheeling Creek (HUC-10	)	_				
Pursuant to V to be provide horizontal we surface affect information r	Shall Include: Vest Virginia Code § 22-6A-16(ced by W. Va. Code § 22-6A-10(ced by W. Va. Code § 22-6A-10(ced by oil and gas operations to related to horizontal drilling may located at 601 57th Street, SE, ault.aspx.	b) to a se and co the extended be obta	surface ow empensation the dama fined from	mer whose n agreeme ages are co the Secre	e land will be nt containing a compensable und ary, at the WV	used in conjunt n offer of comp der article six-l / Department o	ection with the drilling of a pensation for damages to the of this chapter. Additional of Environmental Protection
Well Operato	F. SWN Production Company, LLC			Address:	1300 Fort Pierpont	Dr. Suite 201	
Telephone:	304-884-1675	-		THAT WOO.	Morgantown, WV 2		
Email:	Justin_Booth@SWN.com		-	Facsimile:	Horganianii IIV E		
Oil and Gas	Privacy Notice:				10.		A T T A T A T A T A
The CACCO	Oil and Can management that	marget real	man a series of the	wah an man	o addross and	talankana mum	hor as and of our room often

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 depprivacy officer Reviews gov.

Date of	ime Requirement: notice shall be pro Notice 06/05/2020 Date P	ermit Application Filed	ermit application.
Delivery	method pursuant to West Virginia	Code § 22-6A-16(c)	
■ CE	RTIFIED MAIL	☐ HAND	
	TURN RECEIPT REQUESTED	DELIVERY	
the plann required in drilling of damages (d) The no of notice,	ed operation. The notice required be to be provided by subsection (b), section a horizontal well: and (3) A propose the surface affected by oil and gas contices required by this section shall be thereby provided to the SURFACE (	y this subsection shall include; (1) A on ten of this article to a surface owner and surface owner and surface use and compensation agreement on the extent the damages are given to the surface owner at the additional compensation.	t application, an operator shall, by certified ma- used for the drilling of a horizontal well notice of copy of this code section; (2) The information whose land will be used in conjunction with the element containing an offer of compensation for e compensable under article six-b of this chapter ress listed in the records of the sheriff at the time
Name: Wh Address: Columbus, C Notice is Pursuant to operation State.	Iress listed in the records of the sherificeling Power Company  Riverside Place H 43215  Hereby given: O West Virginia Code § 22-6A-16(c).	Name: Address: notice is hereby given that the undersi	
Name. Wh Address: Columbus, C Notice is Pursuant to operation State County:	Iress listed in the records of the sherificeling Power Company  1 Riverside Place  1 Riverside Place  1 H 43215  Hereby given:  O West Virginia Code § 22-6A-16(c),  on the surface owner's land for the puwers virginia  Marshall	Name: Address: notice is hereby given that the undersi	the tract of land as follows: ng: 531,789,906
Name: Wh Address: Columbus, C Notice is Pursuant to operation State County: District:	Iress listed in the records of the sherificeling Power Company  1 Riverside Place  H 43215  Hereby given:  O West Virginia Code § 22-6A-16(c), On the surface owner's land for the puwest Virginia  Marshall  Sand Hill	Name: Address:  notice is hereby given that the undersi prose of drilling a horizontal well on UTM NAD 83  UTM NAD 83  Public Road Access	the tract of land as follows:  ng: 531,789,906  ning: 4,428,547.199  Big Wheeling Creek Road
Name: Wh Address: Columbus, C Notice is Pursuant to operation State: County: District: Quadrang	Iress listed in the records of the sherificeling Power Company  1 Riverside Place  1 Riverside Place  1 Riverside Place  West Virginia Code § 22-6A-16(c), on the surface owner's land for the put West Virginia  Marshall  Sand Hill  6: Wheeling, WV/OH	Name: Address:  notice is hereby given that the undersi urpose of drilling a horizontal well on UTM NAD 83  Eastn North	the tract of land as follows:  ng: 531,789,906  ning: 4,428,547.199  Big Wheeling Creek Road
Name: Wh Address: Columbus, C Notice is Pursuant to operation State County: District: Quadrang Watershee This Notice Pursuant to be proviouslated affinformation headquarter	dress listed in the records of the sherificeling Power Company  1 Riverside Place  H 43215  Thereby given:  O West Virginia Code § 22-6A-16(c), on the surface owner's land for the put west Virginia  Marshall  Sand Hill  Wheeling, WV/OH  Grandstaff Run of Wheeling Creek (HUC-10).  The Shall Include:  O West Virginia Code § 22-6A-16(c), ided by W. Va. Code § 22-6A-10(b) well, and (3) A proposed surface use fected by oil and gas operations to the related to horizontal drilling may be a seried of the series of the related to horizontal drilling may be a seried of the series of the related to horizontal drilling may be a series of the series o	Name: Address:  notice is hereby given that the undersigness of drilling a horizontal well on the UTM NAD 83  UTM NAD 83  Eastm North Public Road Access: Generally used farm nathis notice shall include: (1)A copy of to a surface owner whose land will and compensation agreement contains e extent the damages are compensables obtained from the Secretary at the	the tract of land as follows:  ng: 531,789,906  ning: 4,428,547.199  Big Wheeling Creek Road
Name: Wh Address: Columbus, C Notice is Pursuant to operation State. County: District: Quadrang Watershed Pursuant to operation and to pursuant to operation and to pursuant to operation and to pursuant to operation and operation and to operation and to operatio	dress listed in the records of the sherificeling Power Company 1 Riverside Place 2 Riverside Place 2 Riverside Place 3 Riverside Place 3 Riverside Place 3 Riverside Place 4 Riverside Place 4 Riverside Place 5 Riverside Place 6 Riverside Place 6 Riverside Place 7 Riverside Place 7 Riverside Place 8 Riverside Place 8 Riverside Place 9 R	Name: Address:  notice is hereby given that the undersigness of drilling a horizontal well on the UTM NAD 83  UTM NAD 83  Easting North Public Road Access Generally used farm nath this notice shall include (1) A copy of to a surface owner whose land will and compensation agreement contains the extent the damages are compensable obtained from the Secretary, at the Charleston, WV 25304 (304-926-0)	the tract of land as follows:  ng: 531,789,906  ing: 4,428,547,198  Big Wheeling Creek Road  me: B&W Edge MSH  If this code section, (2) The information required be used in conjunction with the drilling of a lang an offer of compensation for damages to the e under article six-b of this chapter. Additional e WV Department of Environmental Protection (0450) or by visiting www.dep.gvv.gov/oil-anil-
Name: Wh Address: Columbus, C Notice is Pursuant to operation State County: District: Quadrang Watershee This Notice Pursuant to be proviouslated affinformation headquarter	dress listed in the records of the sherificeling Power Company 1 Riverside Place 2 Read of the Stand For the property of the surface owner's land for the property owner's land for the prope	Name: Address:  notice is hereby given that the undersigness of drilling a horizontal well on the UTM NAD 83  UTM NAD 83  Easting North Public Road Access Generally used farm nath this notice shall include (1) A copy of to a surface owner whose land will and compensation agreement contains the extent the damages are compensable obtained from the Secretary, at the Charleston, WV 25304 (304-926-0)	the tract of land as follows:  ng: 531,789,906  ing: 4,428,547,199  Big Wheeling Creek Road  me: B&W Edge MSH  If this code section; (2) The information required to be used in conjunction with the drilling of a lang an offer of compensation for damages to the e under article six-b of this chapter. Additional www.dep.gvv.cov/mil-mil-  erpont Dr., Suite 201

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will 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 depprivacyofficenceur, sov.

Operator 0.5 1 02342

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

Notice Time Date of Not	Requirement: notice shall be provi ice: 06/05/2020 Date Peru	ded no l mit App	ater than the filing	date of permi	t application.
Delivery me	thod pursuant to West Virginia Co	de § 22	-6A-16(e)		
■ CERT	FIED MAIL	Пх	IAND		
-	RN RECEIPT REQUESTED		DELIVERY		
the planned required to b drilling of a damages to t	t requested or hand delivery, give the operation. The notice required by e provided by subsection (b), section horizontal well; and (3) A proposed the surface affected by oil and gas open to the surface affected by oil and gas open he surface affected by oil and gas open to the surface affected by oil and the surface to the surface to the surface to the surface to the s	surface this sub- ten of t surface erations	e owner whose lan section shall inclu- his article to a sur- e use and compen- to the extent the d	d will be used f ide: (1) A copy ace owner who sation agreement amages are com-	ication, 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 nt containing an offer of compensation for opensable under article six-b of this chapter isted in the records of the sheriff at the time
Notice is her (at the addres Name: David W Address: 27 F		VNER(	s) ne of notice): Name: Addres	\$1	
Wheeling, WV 26			( total as	0.	
Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed		otice is h	drilling a horizont UTM NAD Public Road	I well on the ira Easting Northing:	well operator has developed a planned act of land as follows: 531,789,906 4,428,547,199 Big Wheeling Creek Road B&W Edge MSH
Pursuant to V to be provide horizontal we surface affect information a	ed by W. Va. Code § 22-6A-10(b) tell, 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.	to a sur nd comp extent to obtaine	face owner whose pensation agreement the damages are conditionally and from the Secret	: land will be in int containing ar impensable und arv. at the WV	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.ww.gov.orl.and-
Well Operato	SWN Production Company, LLC		Address.	1300 Fort Pierpont I	Dr. Suite 201
Telephone:	304-884-1675			Morgantown, WV 26	
Email:	Justin Booth@SWN.com		Facsimile:		

#### Oil and Gas Privacy Notice:

Justin Booth@SWN.com

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 deportvacyoffices alwy cov-

Facsimile:

Operator Well No. BW Edge MSH 3H

WW-6A5 (1/12)

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

Notice Time Date of Noti	Requirement: notice s ce. 06/05/2020	hall be provided no Date Permit Ap	later than the filing	date of permi	it application.
Delivery me	thod pursuant to West	Virginia Code § 2	2-6A-16(c)		
■ CERTI	FIED MAIL		HAND		
CE 12 LAS 24	RN RECEIPT REQUES		DELIVERY		
return receipt the planned required to be drilling of a damages to th (d) The notice of notice.  Notice is her (at the address 244 to Wheeling, WV 26  Notice is her Pursuant to Woperation on	requested or hand delivered to the notice of provided by subsection horizontal well; and (3) he surface affected by oiles required by this section of the se	required by this surface required by this surface (b), section ten of A proposed surface I and gas operation on shall be given to TRFACE OWNER the sheriff at the file (c), notice is	be owner whose land besettion shall include this article to a surface use and compens to the extent the day the surface owner (s)  Mame Addres  hereby given that the surface of the surface owner are of the surface owner and the surface owner are of the surface owner are owner as the surface owner as the surface owner are owner as the surface owner a	d will be used to de: (1) A copy ace owner who sation agreeme amages are con at the address I	lication, an operator shall, by certified mail for the drilling of a horizontal well notice of y of this code section. (2) The information use 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 well operator has developed a planned act of land as follows:
State: County:	West Virginia Marshall		- UTM NAD 8	Easting:	531,789 906
District:	Sand Hill		Public Road	Northing:	4,428,547.199
Quadrangle:	Wheeling, WW/OH		MANA.	ed farm name:	Big Wheeling Creek Road
Watershed:	Grandstaff Run of Wheeling Cre	eek (HUC-10)	_ Generally us	ed tarm name.	B&W Edge MSH
Pursuant to Water be provided horizontal we surface affect information r	ed by W. Va. Code § 3 all; and (3) A proposed sed by oil and gas opera elated to horizontal dril located at 601 57 <sup>th</sup> St	22-6A-10(b) to a su surface use and con stions to the extent ling may be obtain	rface owner whose ipensation agreeme the damages are co ned from the Secre-	I land will be nt containing a ompensable und ary, at the WV	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gawail-and-
Well Operator	SWN Production Company,		Address:		in Carried
Telephone:	304-884-1675	eco .	Address:	1300 Fort Pierpont	
Email:	Justin_Booth@SWN.com		Facsimile	Morgantown, WV 2	0006
			- 4350000000		
	Privacy Notice: Oil and Gas processes a	our personal inform	nation such as non	o address and	telephone number, as part of our regulators

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 depprovacy officer way gov.



### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

May 28, 2020

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

> Jimmy Wriston, P. E. Deputy Secretary/ Deputy Commissioner

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

Subject: DOH Permit for the B&W Edge Pad, Marshall County B&W Edge 3H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2015-0140 which has been issued to Southwestern Energy for access to the State Road for a well site located off Marshall County Route 5/1 SLS.

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 October 1, 2018.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Brittany Woody Southwestern Energy

CH, OM, D-6

File

		Attachment VI Frac Additives 470	510
AI-303 (U.S. Well Services)	Mixture	Ethylene giycol	107-21 1
		Cinnamaldehyde	104-55 7
		Butyl cellosolve	111-762
		Formic acid	64-186
		Palyether	Proprietary
		Acetuphenone, thiourea, formaldehyde polymer	68527-49 1
ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
tron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-10-N
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	
		Ethanol	54-17-5
ctron K-219 (Champion Technologies)	Blocide	Methanol	67-56-1
	11.1.20	Quaternary Ammonium Compounds, Benzyl-C12-16-Alxyldimethyl, Colorides	
THADE	Tracer	Ceramit Proppant	56402-58-4
6486A (Naico Champion)	Scale Inhibitor	Amine Triphosphate	
	23415.010041140	Ethylene Blycol	Proprietary
6734A (Champion Technologies)	Biodide	Hydrogen Reruxide	107-21-1
A Tarrella ( and (	DIVIDE	Acetic Acid	7722-84-1
		Peroxyatel a Acid	64-19-7
ne Clark (published) tourses	DESCRIPTION OF THE PROPERTY.		79-21-0
no-Cl200 (SWN Well Services)	Corresion Inhibitar	Methanol	67-56-1
		Oxyalkylaten fatty acid	68951-57-7
		Fatty ecids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldenyde	50-00-0
DG-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
2-51176-15 (Halliburton)	Friction Reducer	Polyacylate	
	Talan lisaassi	Hydrotreated light petroleum distillate	Proprietary
JET DR900 LPP (SWN Well Services)	Friction Reducer		64742-47-8
to the fact that the delayers)	THE PROPERTY OF THE PARTY OF TH	Distillates (petroleum) hydrotreated light Ethylene Glycol	64674-47-8
			107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Pruprietary
iere pine a a del del della contra	20001	Water	7732-18-5
ET DRP 1130X (SWN Well Services)	Friction Reduce:	Proprietary	Proprietary
6 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	54742-47-8
		Inorganic Salt	Proprietary
TRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonyiphenol Ethuxylate	Proprietary
-150E (Halliburton)	Corrasion Inhibitor	No hazardous substance	The second secon
(SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	N/A
A TOTAL CONTRACTOR OF THE PARTY	Telesime Gray	Water	7647-01-0
S MC (Hall/burton)	Scale Inhibitor		7732-18-5
s the tremperon	Share milliotton	Organic phosphonate	Proprietary
ELEVALE INCHES	Maria Maria	Ammonium Chloride	12125-02-9
FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64747-47-8
illek 930	Friction Reducer	Copolymer of 2-properamice	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sadium Chloride	7647-14-5
		Alcohols, C12-16, Expxylated	68551-12-2
		Oleic Acid Diethanolamide	93-23-4
		Ammonlum Chinnide	12125-02-9
Slick 953	Friction Reducer	Petroleum Distillate	the second second
	7-77-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Sadium Chlaride	64742-47-8
		Ammonium Choride	7647-14-5
		N,N-bis (7-hydraxyethyi) oleamide	12125-02-9
slick 957	Existing Building		93-83-4
mun Jay	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammanlum Crioride	12125-02-9
		Oleic Asid Dierhanblamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
A-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrorreated light distillate (petroleum)	84742-47-8
		Propenoic acid, polymer with propensmide	9003-06 9
ld 655 NW	Scale Inhibitor	Diethylenetriamine purits (methylene phosphonic acid)	15927-30-8
No. 922	no data available	Copolymer of 2-progenaminde	69418-26-4
		Distillales (petroleum), hydotreated light	64741-47-8
		Ammonium chloride ((NH4)CI)	12125-02-9
		Oleic Acid Diethnolamide	93-83-4
Ide PSSOA	Bioeidal product	Tetrakis (hydroxymethy)) phosphonium su/phate	
	- American Manager		55566-30-8
		Acrylic acid terpolymer containing Larbuxylate phosonomate and sulfonate groups	204
2950	Eriction Roderna		397256-50-7
	Friction Reducer	Hydrofreated light petroleum distillate	64742-47-8
		E(hoxylated a)cohol	Proprietary
		Charles to the first and the first to the fi	
No.		Poly (oxy-1.2-ethanediyl) alphatridecyl-pmega,-hydroxy-, pranched	69011-36-5
1d LD-7750W	Scale Control	Poly (oxy-1.2-ethanediyl) alphatridecyl-pmegahydroxy-, pranched Methanol	69011-36-5 67-56-1
년 LD-77SDW	Scale Control	Methanol	67-56-1
end LD-7750W			

OPERATOR: SWN Production Co., LL	C WELL NO: BW Edge MSH 3H
PAD NAME: BW Edge MSH	
REVIEWED BY:	SIGNATURE: BULLANY WOODY
WELL RESTRI	CTIONS CHECKLIST
HORIZO	ONTAL 6A WELL
Well Restrictions	*Pad Built 8/1/15
At Least 100 Feet from Pad and L Perennial Stream, Lake, Pond, Re	OD (including any E&S Control Feature) to any eservoir or Wetland; OR
DEP Waiver and Permit Co	onditions
At Least 300 Feet from Pad and L Naturally Producing Trout Stream	OD (including any E&S Control Feature) to any
DEP Waiver and Permit Co	onditions
At Least 1000 Feet from Pad and Groundwater Intake or Public Wa	LOD (including any E&S Control Feature) to any iter Supply; OR
DEP Waiver and Permit C	Conditions
At Least 250 Feet from an Existin Drilled; OR	g Water Well or Developed Spring to Well Being
Surface Owner Waiver and	d Recorded with County Clerk, OR
DEP Variance and Permit	Conditions
At Least 625 Feet from an Occupi	ied Dwelling Structure to Center of the Pad; OR
Surface Owner Waiver and	d Recorded with County Clerk, OR
DEP Variance and Permit	
	ral Buildings Larger than 2500 Square Feet to the Center
Surface Owner Waiver and	d Recorded with County Clerk, OR
DEP Variance and Permit	Conditions

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

SITE ENTRANCE





ä DRAWN

SCALE.

PAD

EDGE

MSH

COVER SHEET

B&₩

PROJECT LOCATION PENNSYLVANIA MONONGALIA MARYLAND TUCKER ( GRANT CLAY VIRGINIA KENTUCKY

GROVE ROAD UTM83-17F N: 14,532,517 E: 1,743,848 WALKET NAD 83 LAT: 40.015294 LONG: -80.630589 GENTER OF WELLS UTM85-17F N: 14,529,357 E: 1,744,742 LAT: 40,006578 LONG: -80.827477 LOCATION MAP

COUNTY MAP

CALL BEFORE YOU DIG!

Dial Billor 800.245,4848

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

# Southwestern Energy\*

**OPERATOR** 

SWN PRODUCTION CO., LLC ATTN: DEE SOUTHALL JANE LEW, WV 26376 (832) 796-1614

### SITE DATA

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

LOD AREA-FOLMAR PROPERTY-2.2 ACRES (1.7 AC ROAD, ILS AC PAD)

### API NUMBERS

NUMBER AS-BUILT 5H AS-BUILT 205H

API 051-01845 API 051-01843 CELLAR CELLAR CELLAR DIAMETER DEPTH MATERIAL 8 FT

### LIST OF DRAWINGS

EP2.1 . . . . . EVACUATION ROUTE/ PREVAILING WINDS EP2.2 ..... EVACUATION ROUTE/ PREVAILING WINDS AS3.1 .... AS-BUILT OVERALL SITE PLAN ASJ.2-ASJ.5 . . . AS-BUILT SITE PLAN - ACCESS DRIVE AS3.5 . . . . . . AS-BUILT SITE PLAN - WELL PAD CRA4.1-CRA4.2 . . ACCESS ROAD PROFILE CRA4.3 . . . . . . WELL PAD CROSS SECTIONS MRP5.1 . .... OVERALL RECLAMATION PLAN MRP5.2-MRP5.5 . RECLAMATION PLAN MRD6.1-MRD6.3. DETAILS

TS1.1

