

west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Tuesday, June 27, 2023 WELL WORK PLUGGING PERMIT Horizontal 6A Plugging

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re:

Permit approval for STATE OF WV DNR B BRK 406H

47-009-00332-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: STATE OF WV DNR B BRK 4

Farm Name: STATE OF WEST VIRGINIA,

U.S. WELL NUMBER: 47-009-00332-00-00

Horizontal 6A Plugging

Date Issued: 6/27/2023

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. 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.

4700900332

1)Date	, 2023
2)Operator's	
Well No. State of	WV DNR B BRK 406H
3) API Well No.	47-009 - 00308

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas x/ Liquid (If "Gas, Production x or Und	d injection/ Waste disposal/ derground storage) Deep/ Shallow
E V	Location: Elevation 1201'	Watershed Upper Ohio North
5)	District Cross Creek	County Brooke Quadrangle Steubenville East
6)	Well Operator SWN Production Co., LLC	7) Designated Agent Brittany Woody
	Address 1300 Fort Pierpont Dr., Suite 201	Address 1300 Fort Pierpont Dr., Suite 201
	Morgantown, WV 26508	Morgantown, WV 26508
8)	Oil and Gas Inspector to be notified Name Strader Gower	9)Plugging Contractor Name NA
	Address 601 57th Street, SE	Address
	Charleston, WV 25304	
,	See Attachment	Office Of Oil and Gas MAY 9 2023 WV Department of Environmental Protection
Noti work	lfication must be given to the district oi c can commence.	l and gas inspector 24 hours before permitted
Worl	order approved by inspector <u>Strader</u>	Gorver Date 4/27/2023

Well Name:

State of WV DNR B 406H

API#:

47009003320000

County/State:

Brooke, WV

Elevation:

1,201 ft

TD:

649 ft

Casing Depth

20"

110' 649' OH Comment

17.5"

Unable to set 13-3/8" surface casing

Comments:	
	Unable to set 13-3/8" casing during initial drilling operations due to tight spot at conductor casing shoe
	Cement pumped to fill surface section and conductor casing while drilling rig was still on location
	Cement pumped to fill surface section and conductor casing wine drininging was able to be a set to be
	Pad is still an active location with four existing producing wells and two new wells currently being drilled
	Pad is still an active location with four existing producing wens the two west transfer once drilling rig moves off location in May 202 Casing will be cut below grade and capped with well name, API # and P&A date once drilling rig moves off location in May 202

Procedure:		
1)	TIH with drill pipe to bottom (649')	
2)	Pump 40 bbl gel spacer	
3)	Pump 390 bbl cement	
	TOOH with drill pipe	
5)	woc	
6)	TIH with drill pipe and tag TOC	
7)	Pump 96 bbl of 15.6 cement or fill to surface	
8)	RDMO	
9)	Cut casing below grade and weld on cap with well name, API # and P&A date	

DRILL DOWN SUMMARY

STATE OF WV DNR B 406H

BROOKE COUNTY, WV

DATE	DESCRIPTION
09/26/2022	DRILL DOWN PERMIT ISSUED
03/16/2023	SET 8' DIAMTER TIN HORN SET 20" CONDUCTOR AT 110' CEMENT 20" CONDUCTOR TO SURFACE
04/12/2023	MIRU SDC 40 DRILLING RIG
04/13/2023	DRILL 17.5" SURFACE SECTION TO 464'
04/14/2023	DRILL 17.5" SURFACE SECTION TO 649' PULL TIGHT WHILE TOOH PUMPED OOH WITH AIR BEGIN RIH WITH 13-3/8" CASING WORK 13-3/8" CASING TIGHT AT 136' LD 13-3/8" CASING & WASH OUT TO 136' SURFACE SECTION DETERMINED TO BE PLUGGED OFF
04/15/2023	WASH OUT & REAM TO 236' PULL TIGHT AT 148' WHILE TOOH BEGIN RIH WITH 13-3/8" CASING WASH & REAM 13-3/8" CASING AT 136' LD 13-3/8" CASING PERFORM WASH & REAM RUN TO 136' TOOH WITH REAMER BHA BEGIN RIH WITH 13-3/8" CASING WASH & REAM 13-3/8" CASING
04/16/2023	WASH & REAM 13-3/8" CASING AT 136' DECISION MADE TO LD 13-3/8" CASING, PLUG BACK & MOVE TO DNR B 40' TIH WITH DRILL PIPE FOR CEMENTING OPERATIONS
04/17/2023	PUMP 40 BBL GEL SPACER PUMP 390 BBL CEMENT PLUG WITH NO RETURNS TO SURFACE TOOH WITH DRILL PIPE WOC TIH WITH DRILL PIPE & TAG TOC AT 98' PUMP 96 BBL OF 15.6 CEMENT TOOH WITH DRILL PIPE RDMO

Page ____ of ____

WR-35 Rev. 8/23/13

State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 009 00332	County BROOKE	r	District CROSS C	CREEK
Quad STEUBENVILLE EAST	Pad Name STATE	OF WV DNR-B PAD I	Field/Pool Name P	ANHANDLE FIELD WET
Farm name SWN PRODUCTION C	OMPANY, LLC		Well Number STA	ATE OF WV DNR B 406H
Operator (as registered with the OOG)	SWN PRODUCTIO	N COMPANY, LLC		
Address PO BOX 12359	City SPR	ING	State TX	Zip 77391-2359
Landing Point of Curve N	Attach an as-drilled Forthing 4,465,707.86 Forthing Iorthing		ng 540,110.27 ng	
Elevation (ft)1,201' GL	Type of Well	New □ Existing	Type of Report	□Interim ≜ Final
Permit Type □ Deviated □ Ho	rizontal 🛔 Horizonta	ıl 6A □ Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert □ De	eepen 🖪 Drill 🗆 🛭	Plug Back □ Redrill	ing Rework	■ Stimulate
Well Type □ Brine Disposal □ CBM	■ Gas □ Oil □ Seco	ndary Recovery 🗆 Sol	ution Mining 🗆 St	orage Other
Type of Completion Single Mult Drilled with Cable Rotary Drilling Media Surface hole Air Production hole Air Mud Mud Type(s) and Additive(s) SOBM	□ Mud ■Fresh Wate			□ Other □ Fresh Water □ Brine
Date permit issued9/26/2022	Date drilling comme	nced4/13/2023	Date drilling o	ceased4/17/2023
Date completion activities began		Date completion activi	ties ceased	
Verbal plugging (Y/N) N D	ate permission granted_	N/A	Granted by	N/A
Please note: Operator is required to sub	mit a plugging applicati	on within 5 days of ver	bal permission to p	lug
Freshwater depth(s) ft	543'	Open mine(s) (Y/N) dep	oths	N
Salt water depth(s) ft		/oid(s) encountered (Y.		N
Coal depth(s) ft 135		Cavern(s) encountered (N
Is coal being mined in area (Y/N)	N			06/30/2023

Page 2 of 4 WR-35 Rev. 8/23/13 Farm name SWN PRODUCTION COMPANY, LLC Well number STATE OF WV DNR B 406H API 47-⁰⁰⁹ -00332 Did cement circulate (Y/N) Basket Grade New or Casing CASING Hole * Provide details below* wt/ft Depth(s) Used Depth Size STRINGS Size J-55/94# Conductor NEW 24 136' 20 Surface Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Packer type and depth set 4/17/2023: SET CEMENT PLUG W/ 486 BBLS, 15.6# CEMENT FROM SURFACE - 649' Comment Details WOC Volume Cement Yield Class/Type Number Slurry CEMENT Top (MD) (hrs) (ft^3) (ft 3/sks) of Sacks wt (ppg) of Cement DATA SURFACE Conductor GROUT TO SURFACE CLASS A Surface Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Loggers TD (ft) Drillers TD (ft) Plug back to (ft) N/A Deepest formation penetrated Plug back procedure N/A Kick off depth (ft) □ induction ■ deviated/directional caliper density Check all wireline logs run ■ temperature □sonic 📕 gamma ray ■ resistivity ■ neutron Were cuttings collected DYes No Conventional Sidewall Well cored Yes No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING DETAILS WAS WELL COMPLETED AS SHOT HOLE □ Yes 🚪 No **DETAILS** WAS WELL COMPLETED OPEN HOLE? □ Yes No 06/30/2023 WERE TRACERS USED 🗆 Yes 💄 No TYPE OF TRACER(S) USED

WR-35 Rev. 8/23/13 Page 3 of 4

API 47- 009 - 00332 SWN PRODUCTION COMPANY, LLC Well number STATE OF WV DNR B 406H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMEN	1		
			116		
					and the second s
				-	
				-	
					H-1

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
		SEE	ATTACHMEN	2				
_								
					1			
						1		
							-	

WR-35

Page <u>4</u> of <u>4</u>

Rev. 8/23/13							OTATE OF	- 1411) DND B 40
API 47- 009	00332	Farm	name SWN PR	ODUCTION C	OMPANY, L	LC Well number	r STATE OF	WV DNR B 40
PRODUCING	FORMATION	(<u>S</u>)	DEPTHS					
				_TVD _		MD		
				-				
Please insert ac	dditional pages	as applicable.						
GAS TEST	□ Build up	∃ Drawdown	□ Open Flow	OI	L TEST 🗆 🗎	Flow 🗆 Pump	ı	
SHUT-IN PRE	SSURE Suri	face	psi Botto	om Hole	psi	DURATION O	OF TEST	hrs
OPEN FLOW	Gas mot	Oil fpd	NGL bpd	bpd	ater bpd	GAS MEASU ☐ Estimated	JRED BY ☐ Orifice	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD		ROCK TYPE AND JUID (FRESHWAT		ANTITYAND L, GAS, H₂S, ETC
	NAME TVD 0	543'	0			BASE OF	FRESHWATE	
		135'				PITTSB	URGH COAL	
							-	
Please insert ad	 ditional pages a	s applicable.						
Drilling Contra Address PO BO	ctor SWN DRIL X 12359	LING COMPAN	Y City	SPRING		State TX	Zip _7739	1-2359
	any					State	Zip	
Cementing Cor Address 110 SC	npany SCHLUM CHLUMBERGER D	IBERGER WEL RIVE	L SERVICES City	SUGARLANI	0	State TX	Zip <u>7747</u>	8
			City			State	Zip	
	ditional pages a					021 - 701	2200	7
Completed by Signature	CAR	OL A. P.	Title SP.	REGULA	Telephone Toly 5Pl	832 - 796 FCIAU Date	5/06/3	0/2023
0.1 24.1 677						SI IDOGO A GG		

WW-4A Revised 6-07 1) Date: 5/30/23

2) Operator's Well Number State of WV DNR B BRK 406H

3) API Well No.: 47 -

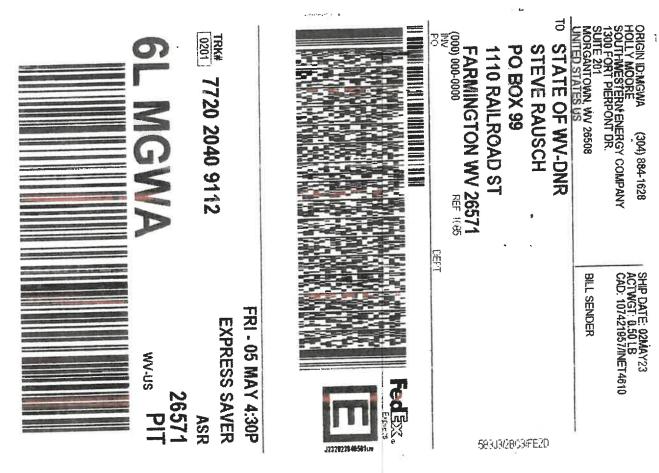
009

00332

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

	NOTICE 01	APPLICATI	<u>ON TO PLUG AN</u>	ND ABANDON A WELL
4) G G G G		£,) (a) Coal Operator	1.
4) Surface Ov (a) Name	vner(s) to be served: State of WV-DNR Attn: S		Name	Starvaggi Industries, Inc.
Address	PO Box 99, 1110 Railroa		Address	401 Pennsylvania Ave
Address	Farmington, WV 26571			Weirton, WV 26062
(b) Name			(b) Coal Ow	vner(s) with Declaration
Address			Name	.,
Huuross			Address	
(c) Name			Name	
Address	-		— Address	
nauross	_			
6) Inspector	Strader Gower		(c) Coal Les	ssee with Declaration
Address	601 57th Street, SE		Name	
ridarooo	Charleston, WV 25304		— Address	
Telephone	304-993-6188			
retopitone				
However, Take notic accompany Protection the Applic	you are not required to take an te that under Chapter 22-6 of (ying documents for a permit to	ny action at all. the West Virginia Co o plug and abandon a e location described of mailed by registere	de, the undersigned well of well with the Chief of the on the attached Application of or certified mail or deli	operator proposes to file or has filed this Notice and Application and e Office of Oil and Gas, West Virginia Department of Environmental on and depicted on the attached Form WW-6. Copies of this Notice, livered by hand to the person(s) named above (or by publication in
		Well Operator	SWN Production Co., L	LLC
AGIANAL MINE	ENISE GRANTHAM	By:	Brittany Woody	
Notary Pu	blic, State of Texas	Its:	Staff Regulatory Specia	Suite 201
		Address	1300 Fort Pierpont Dr.,	, Suite 201
Notary	ID 130054910		Morgantown, WV 2650	D8 U V
	The state of the s	Telephone	304-884-1613	
Subscribed and Output Oil and Gas Prive	,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lay of May	Notary Public
United State Little				

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 Office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at deportvacyoffier@wv.gov.



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

SURFACE OWNER WAIVER

Operator's Well Number

State of WV DNR B BRK 406H

Date

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) 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.

Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

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

Signature

- 4) The proposed well work fails to protect fresh water sources or supplies;
- The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the pla	nned wor	k described in these materials, and I have no
objection to a permit being issued on those materials. FOR EXECUTION BY A NATURAL PERSON		FOR EXECUTION BY A CORPORATION,
ETC. Date	Name	2.

By

Its



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanne

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fed unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss, Maximum for items of extraordinary value is \$1,000, e.g. jewelry, authorized declared value. Recovery cannot exceed actual documented loss, Maximum for items of extraordinary value is \$1,000, e.g. jewelry, authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry. precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

API No.	47-009-00332
Farm Name	
Well No.	State of WV DNR B BRK 40

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspecto is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present the plugging and filling of said well. You are further notified that whether you are represented or not to operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee f plugging" prior to the issuance of this plugging permit.

	WAIVER
has examined this proposed plugging wor	/ owner/ lessee/ of the coal under this well location of the undersigned has no objection to the work proposed to operator has complied with all applicable requirements of the Webens.
Date: 5/30/2023	STARVAGGI TODUSTRIES, INC.
	By

WW-9 (5/16)

Musamminaian amina 12-16-2026

API Number 47 - 009	_ 00332
Operator's Well No.	

Notary Public

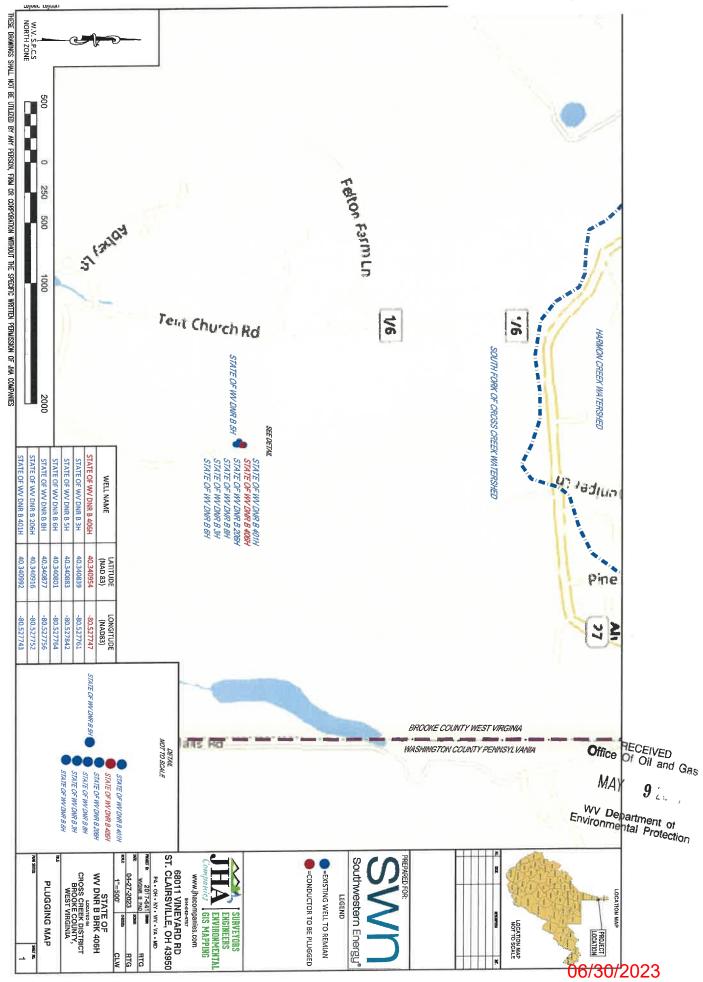
Notary ID 130

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

FLUIDS/ CUTTI	NOS DISPOSAL & RECLAMATION PLAN
Operator Name_SWN Production Co., LLC	OP Code 494494833
Watershed (HUC 10) Upper Ohio North	
Do you anticipate using more than 5,000 bbls of wat Will a pit be used? Yes No A	er to complete the proposed well work? Yes No V ny well effluent will be contained in tanks before disposing off-site
If so, please describe anticipated pit waste:	·
Will a synthetic liner be used in the pit? Ye	s No V If so, what ml.?
Proposed Disposal Method For Treated Pit	
Underground Injection (Reuse (at API Number_ Off Site Disposal (Supply	cted provide a completed form WW-9-GPP) UIC Permit Number
Will closed loop system be used? If so, describe: N	
Drilling medium anticipated for this well (vertical an	d horizontal)? Air, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petrolet	ım, etc. N/A
Additives to be used in drilling medium? N/A	
Drill cuttings disposal method? Leave in pit, landfill,	removed offsite, etc. N/A
-If left in pit and plan to solidify what mediu	m will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office o West Virginia solid waste facility. The notice shall b where it was properly disposed.	f Oil and Gas of any load of drill cuttings or associated waste rejected at any eprovided within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Viol or regulation can lead to enforcement action. I certify under penalty of law that I have application form and all attachments thereto and that.	erms and conditions of the GENERAL WATER POLLUTION PERMIT issued. West Virginia Department of Environmental Protection. I understand that the ations of any term or condition of the general permit and/or other applicable law personally examined and am familiar with the information submitted on this based on my inquiry of those individuals immediately responsible for obtaining e, accurate, and complete. I am aware that there are significant penalties for of fine or imprisonment. RECEIVED Office of Oil & Gas MAY 3 0 2023 WV Department of Environmental Protection
Subscribed and sworn before me this 30 th	day of May , 2023 WANDA DENIS

oposed Revegetation Treat	ment: Acres Disturbed ON	Preveg etation pH	5.5
Lime Two	Tons/acre or to correct		
Fertilizer type 10-2	20-20		
Fertilizer amount_50	00	lbs/acre	
Mulch 50 Bales	2.5	Tons/acre	
		Seed Mixtures	
Тег	mporary	Perman	ent
Seed Type	lbs/acre	Seed Type	lbs/acre
		Orchard Grass	30% 35%
		Rye (annual @BT)	25%
		Timothy (Climax)	2070
ovided). If water from the p	pit will be land applied, pro-	application (unless engineered plans includivide water volume, include dimensions (L, V	ing this info have been W, D) of the pit, and dime
ovided). If water from the p , W), and area in acres, of	pit will be land applied, pro-	1' (' (lare engineered plans includ	ing this info have been
ovided). If water from the part of the par	pit will be land applied, provided, provided the land application area.	application (unless engineered plans includ vide water volume, include dimensions (L, V	ing this info have been W, D) of the pit, and dime
ovided). If water from the part of the par	pit will be land applied, protection area. ved 7.5' topographic sheet. der Garver	application (unless engineered plans includivide water volume, include dimensions (L, V	ing this info have been W, D) of the pit, and dime
ovided). If water from the part of the par	pit will be land applied, provided, provided the land application area.	application (unless engineered plans includivide water volume, include dimensions (L, V	ing this info have been W, D) of the pit, and dime
ovided). If water from the part of the par	pit will be land applied, protection area. ved 7.5' topographic sheet. der Garver	application (unless engineered plans includivide water volume, include dimensions (L, V	ing this info have been W, D) of the pit, and dime
ovided). If water from the part of the par	pit will be land applied, protection area. ved 7.5' topographic sheet. der Garver	application (unless engineered plans includivide water volume, include dimensions (L, Volume) of the MA	ing this info have been W, D) of the pit, and dime
ovided). If water from the part of the par	pit will be land applied, protection area. ved 7.5' topographic sheet. der Garver	application (unless engineered plans includivide water volume, include dimensions (L, Volume) of the MA	ing this info have been W, D) of the pit, and dime
ovided). If water from the part of the par	pit will be land applied, provided the land application area. ved 7.5' topographic sheet. der Garwer	application (unless engineered plans includivide water volume, include dimensions (L, Volume) of the MA	ing this info have been W, D) of the pit, and dime





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LO	CATION FO	ORM: GPS	3	
_{API:} 47-009-00332		well no.: 406H		
FARM NAME: State of W	/ DNR B B	RK		
RESPONSIBLE PARTY NAME:	SWN Prod	luction C	o., LLC	
COUNTY: Brooke				
QUADRANGLE: Steubenvi				
SURFACE OWNER: State of	WV, Burea	au of Con	nmerce, DNR	
ROYALTY OWNER: State of	f WV, Burea	au of Com	nmerce, DNR	
UTM GPS NORTHING: 4,465	,707.90	 2		
UTM GPS EASTING: 540,110	0.21	GPS ELEVAT	TION: 1201'	
The Responsible Party named above preparing a new well location plat for above well. The Office of Oil and Gathe following requirements: 1. Datum: NAD 1983, Zone height above mean sea leterate 2. Accuracy to Datum – 3.0 3. Data Collection Method: Survey grade GPS × : Post President in Part of Post Post President in Part of Post President in Part of Post Post Post Post Post Post Post Post	or a plugging permas will not accept e: 17 North, Coord vel (MSL) – meters	nit or assigned GPS coordinate dinate Units: m	API number on the tes that do not meet	
	ime Differential			
Mapping Grade GPS: Post				
	l-Time Differentia		11 1 45	
4. Letter size copy of the to I the undersigned, hereby certify this belief and shows all the information prescribed by the Office of Oil and O	s data is correct to required by law a	the best of my	knowledge and ons issued and	
	Staff Regulator	ry Specialist	5/309/2023	



SWN Production Company, LLC 1500 Fort Pierpont Dr. Ste 201 Morgantown, WV 26508 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

May 3, 2023

Mr. Wade Stansberry Office of Oil & Gas 601 57th Street Charleston, WV 25304

RE: Proposed Plugging Application: State of WV DNR B BRK 406H

Dear Mr. Stansberry:

Enclosed please find the required documents to plug this well. This well is situated on the DNR B's property, in Cross Creek District, Brooke County, West Virginia.

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

Thank you.

Sincerely,

Dittaling words

Brittany Woody Staff Regulatory Specialist Southwestern Energy Production Company, LLC



Kennedy, James P < james.p.kennedy@wv.gov>

Fwd: Message from KM_C450i

1 message

McLaughlin, Jeffrey W <jeffrey.w.mclaughlin@wv.gov> Wed, Jun 28, 2023 at 9:44 AM To: Brittany Woody <Brittany_Woody@swn.com>, Strader C Gower <strader.c.gower@wv.gov>, jalongi@assessor.state.wv.us, James P Kennedy <james.p.kennedy@wv.gov>

To All:

Please find attached the plugging permit for Horizontal Well 406H (API No. 47-009-00332). This well was plugged with inspector's permission at the time of drilling. This permit will memorialize the event.

Regards,

Jeff McLaughlin, Technical Analyst WV DEP, Office of Oil and Gas ----- Forwarded message ------From: <Copy.Center.2064@wv.gov> Date: Tue, Jun 27, 2023 at 3:55 PM Subject: Message from KM_C450i To: <jeffrey.w.mclaughlin@wv.gov>

