

west virginia department of environmental protection

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

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

Monday, July 31, 2023 WELL WORK PLUGGING PERMIT Horizontal 6A Plugging

SWN PRODUCTION COMPANY, LLC **POST OFFICE BOX 12359**

SPRING, TX 773914954

Re:

Permit approval for MICHAEL RATCLIFFE OHI 5H 47-069-00252-00-00

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: MICHAEL RATCLIFFE OHI

Farm Name: MICHAEL T. RATCLIFFE

U.S. WELL NUMBER: 47-069-00252-00-00

Horizontal 6A

Plugging Date Issued: 7/31/2023

Promoting a healthy environment.

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.

		1	
4B	1) Date		2023
. 2/01	2)Operator	r's	
1 2,7 0 3	Well No.	Michael Ratcliffe C	- ~ 00252
•	3)API Wetl	L Nc. 47 66	- 00252
		5	
emane of We	ST VIRGINIA	1	
	CONMENTAL PROTECTION		
OFFICE OF	OIL AND GAS	i	
	4IT TO PLUG AND ABANDON		
Well Type: Oil/ Gas x/ Liquid		e disposa.	/
Well Type: Oil/ Gas/ Liquid	i injection, kare	Dean	/ Challow
(If "Gas, Production X or Unc	derground storage)	neeb	/ Sitallow
Location: Elevation 1281'	Watershed Upper Ohio S	outh	
	County Ohio Qua		hany
District Liberty	County Cillo	drangre	The second secon
Well Operator SWN Production Co., LLC	7)Designated Agent Brit	tany Woody	
Address 1300 Fort Pierpont Dr., Suite 201	Address 130	0 Fort Pierpo	ont Dr., Suite 201
Address 1000 of 100 point 21, 0000	- 176	rgan town W	V 26508
Morgantown, WV 26508	1010	. gu	
		Side The	
Oil and Gas Inspector to be notified	9)Plugging Contractor	-59-74	
	Name NA	703.61	
Name Strader Gower		308.7	
Address 601 57th Street, SE	Address	2-7-1	
Charleston, WV 25304		Part I	Age is not consequently and an extension of the second
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Work Order: The work order for the man		Name of the state	RECEIVED Office Of Oil and JUN 0 6 202 WV Department Environmental Prote

Work order approved by inspector Gayne Knitowski Date: 2023.05.31

ATTACHMENT 1

Well Name:

Michael Ratcliffe OHI 5H

API:

47-069-00252

County/State:

Ohio county, WV

Elevation:

1281 ft

TD:

126 ft RKB (100 ft below ground level)

Casing:

100 ft of 20" 94#/ft J55 conductor pipe set at 126 ft RKB

Comments:

Well removed from development plan due to poor economics or other factors. Pad is still an active location with five existing producing wells.

Procedure:

- 1. Drop hose into both conductor and mousehole pipes to vacuum out as much fluid as possible.
- 2. Dump class A cement from surface (40 bbl into conductor, 20 bbl into mousehole), displacing fluid as cement falls down hole.
- 3. Take cement sample from conductor at end of job and monitor to confirm it fully sets up.
- 4. Cut conductor pipe below grade and weld on monument with well name, API #, and P&A date.
- 5. Cut mousehole pipe below grade and weld on cap.

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Office Of Oil and Gas

JUN 0 6 2023

DRILL DOWN SUMMARY

MICHAEL RATCLIFFE OHI 5H

OHIO COUNTY, WV

DATE

DESCRIPTION

11/13/2017

Permit issued

01/04/2019

Drill and set 20" conductor at 126' (100' pipe ran + 26' KB = 126' RKB), cement

to surface. Drill 75' mousehole, cement to surface. Set cellar and cement all.

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JUN 0 6 2023

Page 1 of 4

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	<u>47</u> - 069	_ 00252	County OHIO	Dis	trict LIBERT	Υ	
Quad B	BETHANY			AEL RATCLIFFE OHI Fie	ld/Pool Name	PANHANDLE	WET
Farm na	me SWN PI	RODUCTION	COMPANY, LLC	W	ell Number Mi	CHAEL RATCL	IFFE OHI 5H
Operato	r (as registere	ed with the OOC	SWN PRODUCTION	ON COMPANY, LLC			
Address	PO BOX 1	2359		RING	State TX	Zip 7	7391-2359
As Drill	led location Landing Poi B	NAD 83/UTM Top hole nt of Curve ottom Hole	Attach an as-drille Northing 4444 323.572 Northing Northing	Easting	536 877.014	x	
Elevation	on (ft) 1,28	1.1 GL	Type of Well	New □ Existing	Type of Repo	rt Dinterim i	Final
Permit 7	Гуре 🗆 D	eviated 🗆]	Horizontal # Horizont	tal 6A 🗆 Vertical	Depth Type	□ Deep	■ Shallow
Type of	Operation o	Convert [7]	Deepen	Plug Back 🗆 Redrilling	g 🛘 🗆 Rework	■ Stimulate	
Well Ty	pe Brine	Disposal □ CB	M ■ Gas □ Oil □ Sec	ondary Recovery	ion Mining 🗆 :	Storage Oth	er
Drilled Drilling	with □ Cabl Media Sur ion hole ■ A ype(s) and Ac	face hole ■ A Air ■ Mud	ir □ Mud BFresh Wat □ Fresh Water □ Brine	ter Intermediate hole	NGL □ Oil		
		11/13/2017				g coasca	1/5/2019
	mpletion acti plugging (Y/I	A.1	Date permission granted	Date completion activiti	es ceased Granted by		RECEIVED Office Of Oil and Gas
Please r	note: Operato	r is required to	submit a plugging applica	ation within 5 days of verb	al permission to	plug	JUN 0 6 2023
Freshwa	ater depth(s)	ft	350'	Open mine(s) (Y/N) dept	hs	N	WV Department of Environmental Protectio
			780'	Void(s) encountered (Y/I		N	
	pth(s) ft		590'	Cavern(s) encountered (//N) depths	N	
		n area (Y/N)	N			Review	ed by:

00252

WW-4A Revised 6-07 1) Date:
2) Operator's Well Number
Michael Ratcliffe OHI 5H

069

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

3) API Well No.: 47 -

4)	Surface Own	er(s) to be served:	5) (a) Coal Operator		
,	(a) Name	Michael T. Ratcliffe	Name	Alliance Resources GP, LLC	
	Address	1069 G C & P Road	Address	2596 Battle Run Road	
		Wheeling, WV 26003		Triadelphia, WV 26059	
	(b) Name	John M. Weitzel	(b) Coal Owr	ner(s) with Declaration	
	Address	395 Longview Road	Name		
		Valley Grove, WV 26060	Address		
		·			
	(c) Name		Name		
	Address		Address		
		-			
6)	Inspector	Strader Gower	(c) Coal Less	ee with Declaration	
	Address	601 57th Street, SE	Name		
		Charleston, WV 25304	Address	3	
	Telephone	304-993-6188			

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

AS VILLED	Official Seal
	Notary Public, State Of West Virginia
Salar	Notary Public, State Of West Virginia Elizabeth Blankenship
1	9a1 Simpson Run Road
	Weston WV 26452
	My commission expires June 23, 2024

Well Operator	SWN Production Co., LLC	Office Of Oil and Gas
By:	Brittany Woody	
Its:	Staff Regulatory Specialist	JUN 0 6 2023
Address	1300 Fort Pierpont Dr., Suite 201	•
	Morgantown, WV 26508	WV Department of Environmental Protection
Telephone	304-884-1613	Zivi oriino.nar Protoctori

Subscribed and sworn before methis day of	May 2023 Notary Public
My Commission Expires 6/23/2024	

Oil and Gas Privacy Notice

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 Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

6/1/23, 8:59 AM

ORIGIN ID:MGWA (304) 884-1628 HOLLY MOORE SOUTH-WESTERN ENERGY COMPANY 1300 FORT PIERPONT DR. SUITE 201 MORGANTOWN, WY 26508 UNITED STATES US BILL SENDER MICHAEL T. RATCLIFFE 583,D/29ABIFE20 1069 G C & P ROAD WHEELING WV 26003 (000) 000-0000 REF: NV: PO: TUE - 06 JUN 4:30P **EXPRESS SAVER** TRK# 7723 1313 3229 ASR 26003 **HLGA** PIT

SHIP DATE: 01JUN23 ACTWGT: 0.50 LB CAD: 107421957/INET4610

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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 mislinformation, unless you decisate 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, attornay's fees, costs, and other forms of damage whether direct, incidental, consequential, or specials is limited to the greater of \$100 or the authorized decidered value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelly, precious metals, nagodable instruments and other leans listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

RECEIVED Office Of Oil and Gas

JUN 0 6:023

TRK# 7723 1314 5358

HLGA

ORIGIN ID:MGWA (304) 884-1628
HOLLY MOORE
SOUTHWESTERN ENERGY COMPANY
1300 FORT PIERPONT DR.
SUITE 201
MORGANTOWN, WV 28508
UNITED STATES US
TO JOHN M. WEITZEL BILL SENDER 583.029ABIFE2D 395 LONGVIEW ROAD VALLEY GROVE WV 26060 (000) 000-0000 REF: 1685 RIT BURNING BERTARAN PARA BURNING BURN TUE - 06 JUN 4:30P

EXPRESS SAVER

WV-U8

ASR 26060 PIT

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SURFACE OWNER WAIVER

Operator's Well Number

Michael Ratcliffe OHI 5H

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 from your comments.

Office Of Oil and Gas

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;

WV Department of Environmental Protection

3) Damage would occur to publicly owned lands or resources;

4) The proposed well work fails to protect fresh water sources or supplies;

5) 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 ha objection to a permit being issued FOR EXECUTION BY A NATURETC.	on those materials.	ne planned wor	rk described in these materials, and FOR EXECUTION BY A CORPO	
Signature	Date	Name By		g. we
		Its		1 1
			Signature	- v v

ORIGIN ID:MGWA (304) 8B4-1628
HOLLY MOORE
SOUTHWESTERN ENERGY COMPANY
1300 FORT PIERPONT DR.
SUITE 201
MORGANTOWN, WV 26508
UNITED STATES US BILL SENDER TO ALLIANCE RESOURCES GP LLC 184 SCHOOLHOUSE LANE VALLEY GROVE WV 26060 (000) 000-0000 INV: PO:

583.2/29/BIFE2D

TRK# 7723 1316 4125

TUE - 06 JUN 4:30P **EXPRESS SAVER** ASR

26060

PIT



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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 data in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery misidelivery, or misinformation, unless you declare a higher value, pay an additioned charge, document your actual loss and file a timely deim.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, authorized dederated value. Seconsy cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g.; jewelry, predous meabls, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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Office Of Oil and Gas

JUN 0 6 2023

API No.	47-069-00252	_
Farm Name		
Well No.	Michael Ratcliffe OHI 5H	

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 inspector 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 at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of 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 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

•	WAIVER						
The undersigned coal operator/ own has examined this proposed plugging work order. done at this location, provided, the well operator Virginia Code and the governing regulations.	The under	signed ha	s no objec	ction to the	e work pro	posed to b	e
			Alu	YWM	ı		
Date:		-	^			Ž.	
	By:	-					
	Its	U	r				
					RECE Office Of O	IVED iil and Gas	
					JUN 0	6 2023	
					WV Depa	rtment of tal Protection	ì

Page 2_ of 4 WR-35 Rev. 8/23/13 Farm name SWN PRODUCTION COMPANY, LLC Well number MICHAEL RATCLIFFE OHI 5H API 47-069 00252 New or CASING Grade Basket Did cement circulate (Y/N) Hole Casing STRINGS Size Size Depth Used wt/ft Depth(s) * Provide details below* Conductor NEW J-55/94# 24 20 126' Surface Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Packer type and depth set Comment Details ****18" MOUSEHOLE DRILLED TO 75' AND GROUT CEMENT TO SURFACE*** WOC Volume Cement CEMENT Class/Type Number Slurry Yield Top (MD) (hrs) of Sacks wt (ppg) DATA of Cement Conductor SURFACE GROUT TO SURFACE CLASS A Surface Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Drillers TD (ft) Loggers TD (ft) Plug back to (ft) N/A Deepest formation penetrated Plug back procedure N/A Kick off depth (ft)_ **■** caliper ■ density deviated/directional □ induction Check all wireline logs run

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING RECEIVED
Office Of Oil and Gas JUN 0 6 2023 DETAILS WAS WELL COMPLETED AS SHOT HOLE UYes No WV Department of Environmental Protection DETAILS WAS WELL COMPLETED OPEN HOLE? 🗆 Yes 💄 No TYPE OF TRACER(S) USED WERE TRACERS USED ☐ Yes ■ No

📕 gamma ray

■ neutron

Conventional

Well cored DYes 💄 No

material resistivity

Sidewall

temperature

Were cuttings collected

Yes No

□sonic

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Page 3 of 4

00252 API 47-069

Farm name SWN PRODUCTION COMPANY, LLC Well number MICHAEL RATCLIFFE OHI 5H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE 🖘	ATTACHMENT			
_					
					= 93 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -

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	ATTACHMENT	-2				
_								
								DEDENTED.
								RECEIVED Office Of Oil and G
								JUN 0 6 202
								WV Department o

Please insert additional pages as applicable.

VR-35	a company and a second sec	1.00	NA	Sw of	**************************************		- 10 May 1 mg 1	Page 4 of 4
Rev. 8/23/13				,		_		
API 47- 069	_ 00252	Farm	name SWN PRO	DDUCTION C	OMPANY, LL	Well numb	er MICHAEL RA	ATCLIFFE OHI 5H
RODUCING I	MATION	(2)	DEPTHS					
RODUCING	ORMETION	01	A STATE OF THE STA	777.775	4	MD		
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and the state of t		magnetic of the collection of					•	
	75.1 3		an C					
Please insert ad	-							
GAS TEST	Build up	Drawdown	□ Open Flow	O)	LTEST of	low 🗆 Pun	np	
SHUT-IN PRE	SSURE Sur	face	psi Botto	m Hole	psi "	DURATION	OF TEST	hrs
OPEN FLOW	Gas	Oil	NGL	V	/ater	GAS MEAS	SURED BY	
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		-			-			
Please insert ac	Iditional nages	as applicable		1		20.00		
Drilling Contra Address_POBC	otor 5000 DNI	LLING COMPA	City	SPRING		State TX	Zip 7739	1-2359
Address								
			City			State	Zip	
Address			City	-		otate	w.y	RECEIV
Cementing Co	mpany		al.			04.7	ers	Office Of Oil
Address			City			State	Zip	JUN 0
Stimulating Co	ompany						*	
Address			City	7		State	Zip	WV Departr Environmental
Please insert a	dditional pages	as applicable.						
Completed b	CAROL A. P.F	RUITT	Title		Telephone	832-796-30	007	
		F 19 . A 19 1 19	a gray control	OTA BECER OF	DV CDECIVI IC	T Det	cc 5.30.2023	

WW-9 (5/16)

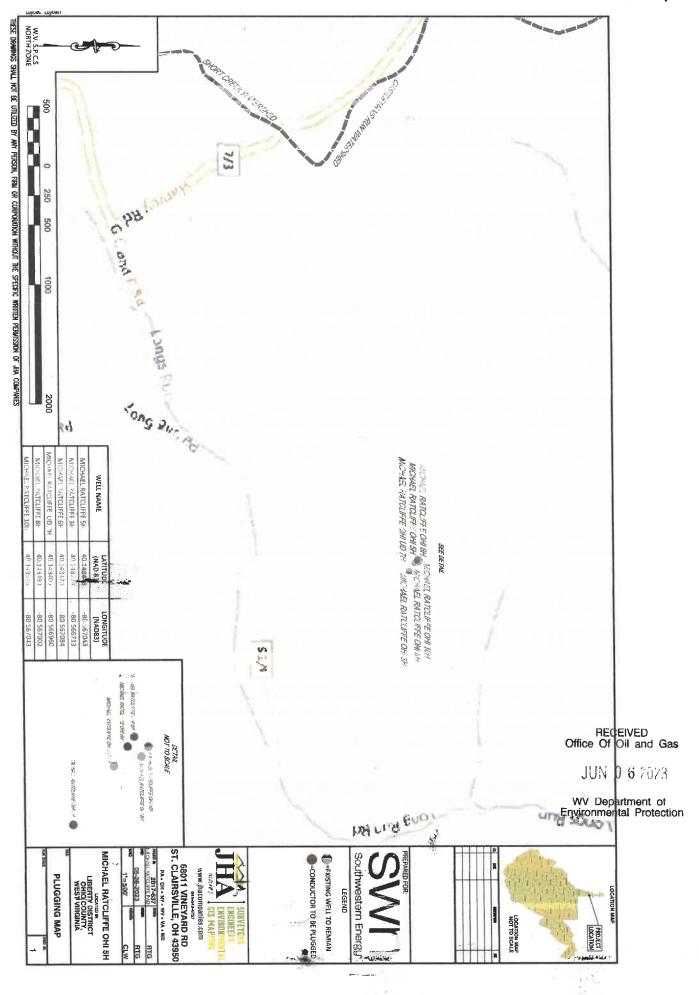
API Number 47 - 0	69 _ 00252
Operator's Well No.	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION **OFFICE OF OIL AND GAS**FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Thomas District District That
Operator Name SWN Production Co., LLC OP Code 494494833
Watershed (HUC 10) Upper Ohio South Quadrangle Bethany
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes No Any 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? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application (if selected provide a completed form WW-9-GPP) Underground Injection (UIC Permit Number_TBD pending selection of plugging contractor)
Reuse (at API Number)
Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain
Will closed loop systembe used? If so, describe: N/A
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petroleum, etc. N/A
Additives to be used in drilling medium?
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number?
Permittee shall provide written notice to the Office of Oil and Cas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for o btaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Staff Regulatory Specialist WV Department of Environmental Protection
nud Mari
Notary Public Official Seal
My commission expires 4/33/2024 My commission expires 4/33/2024 Westen WV 28452 My commission expires June 23, 202

Form WW-9		Operator's Well No		
1 the 4 th of 2 311 t	- विकास के क	1950 China i	T. MEN, Ma	
oposed Revegetation Treatment:	pposed Revegetation Treatment: Acres Disturbed ONE		Prevegetation pl.1 5.5	
Lime Two			***	
Fertilizer type 10-20-20)			
Fertilizer amount 500	Note the control of t	lbs/acre		
Mulch 50 Bales	2.5 _{To}	ons/acre		
		Seed Mixtures	-	
Тетрог	ary	Permano	Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre	
71		Orchard Grass	30%	
were or all recombinations and a light or recombination and differ the property of the party of the relationship.		Rye (annual @BT)	35%	
		Timothy (Climax)	25%	
		Clover (Med.Red)	:10%	
L, W), and area in acres, of the la Photocopied section of involved ' Gayne Plan Approved by: Grant Mintow	7.5' topographic sheet.	de water volume, include dimensions (L, V		
			RECEIVED Office Of Oil and (
			JUN 0-5-747	
			WV Department o Environmental Protect	
Tille: Inspect	ōr	Date: 5-3/-2023		

Field Reviewed?

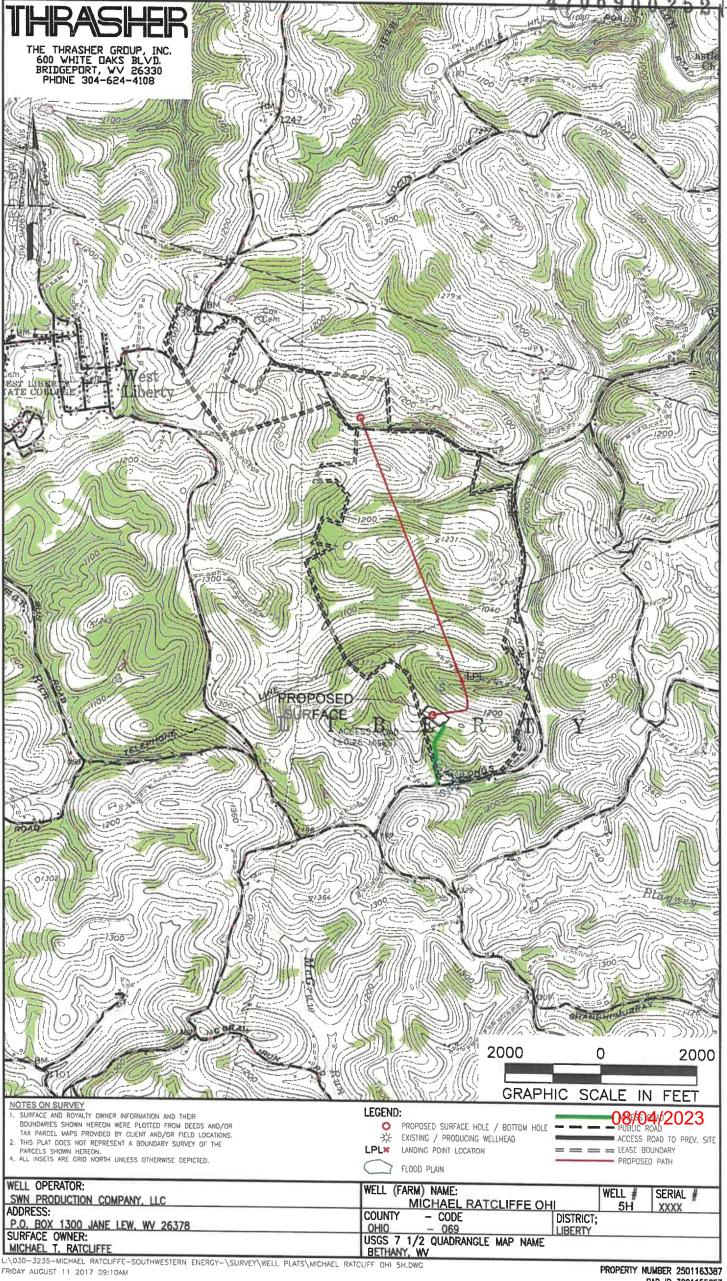


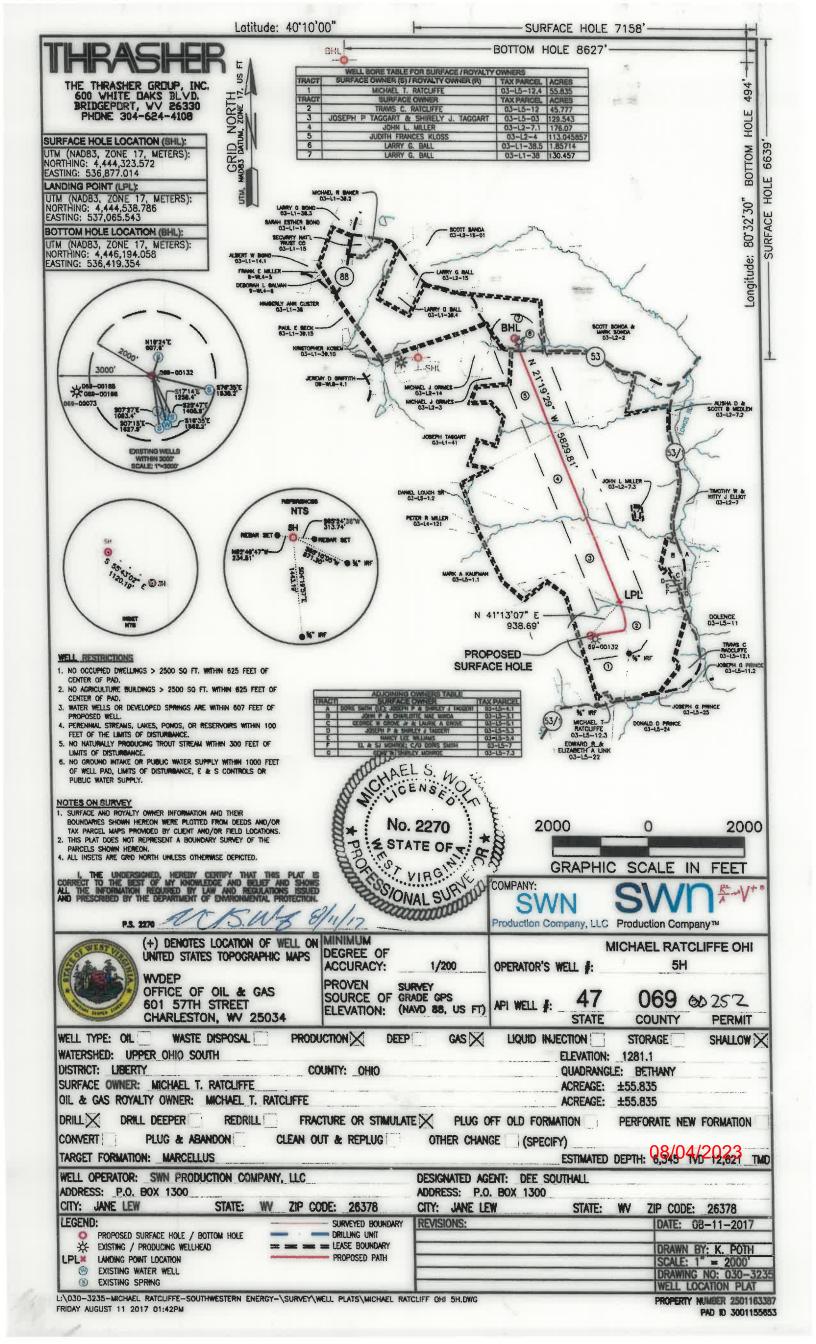


West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-069-00252 WELL NO.: 5H	
FARM NAME: Michael Ratcliffe OHI	
RESPONSIBLE PARTY NAME: SWN Production Co., LLC	
COUNTY: Ohio DISTRICT: Liberty	
QUADRANGLE: Bethany	:
SURFACE OWNER: Michael T. Ratcliffe	 a
ROYALTY OWNER: Michael T. Ratcliffe	
UTM GPS NORTHING: 4,444,323.572	
UTM GPS EASTING: 536,877.014 GPS ELEVATION: 1281'	
The Responsible Party named above has chosen to submit GPS coordinates in lieu or preparing a new well location plat for a plugging permit or assigned API number on above well. The Office of Oil and Gas will not accept GPS coordinates that do not me the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS ×: Post Processed Differential	the
Real-Time Differential X	RECEIVED ffice Of Oil and Gas
Mapping Grade GPS: Post Processed Differential	JUN 0 5
4. Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas. Staff Regulatory Specialist Title	WV Department Of





11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit	
WW-4B ww-4B signed by inspector	
ww-4A	
SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REG	SISTERED OR CERITFIED
COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS OF PROOF THAT AP BY REGISTERED OR CERTIFIED MAIL	PLICATION WAS SENT
WW-9 PAGE 1 (NOTARIZED)	
WW-9 PAGE 2 with attached drawing of road, location, pit and proposed ar	rea for land application
WW-9 GPP PAGE 1 and 2 if well effluent will be land applied	
RECENT MYLAR PLAT OR WW-7	RECEIVED Office Of Oil and Gas
WELL RECORDS/COMPLETION REPORT TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED	JUN 0 6 2023
MUST HAVE VALID BOND IN OPERATOR'S NAME	WV Department of Environmental Protection
CHECK FOR \$100 IF PIT IS USED	Office RECEIVED

Enviro