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

API	47 - 069	_ 00252	County OHIO		District	JBERTY		
Quad	BETHANY		Pad Name MICHA	AEL RATCLIFFE OHI	Field/Poo	Name P	ANHANDLE	WET
Farm n	_{name} SWN P	RODUCTION	COMPANY, LLC		Well Nur	nber MICH	HAEL RATCL	IFFE OHI 5H
Operat	or (as register	ed with the OOG	SWN PRODUCTION	ON COMPANY, LLC				
Addres	PO BOX	12359	City SPF	RING	State	TX	Zip 7	7391-2359
As Dri	Landing Po	NAD 83/UTM Top hole int of Curve sottom Hole	Attach an as-drille Northing 4 444 323.572 Northing Northing	d plat, profile view, ar Eas Eas Eas	ting 536 87	7.014		
Elevati	ion (ft) 1,28	31.1 GL	Type of Well	New □ Existing	Туре	of Report	□Interim !	Final
Permit	Туре 🗆 І	Deviated H	lorizontal # Horizon	tal 6A 🗆 Vertical	Dep	th Type	□ Deep	■ Shallow
Туре	of Operation	□ Convert □ I	Deepen 🖺 Drill 🗆	Plug Back □ Redr	illing E	Rework	■ Stimulate	•
Well T	ype 🗆 Brine	Disposal □ CBN	M ■ Gas □ Oil □ Sec	ondary Recovery 🗆 S	olution Mi	ning 🗆 Sta	orage 📋 Oth	ner
Drilled Drillin Produc	l with □ Cab g Media Sur ction hole ■ Type(s) and A	ele BRotary rface hole BAi Air BMud	ıltiple Fluids Produ r □ Mud ♣Fresh Wa □ Fresh Water □ Brine	ter Intermediate				
Date p	ermit issued	11/13/2017	Date drilling comm	nenced1/5/2019	Da	te drilling	ceased	1/5/2019
	ompletion acti plugging (Y/		Date permission granted		ivities ceas Grante	eded by	N/A	RECEIVED Office Of Oil and Gas
Please	note: Operate	or is required to s	ubmit a plugging applic	ation within 5 days of	verbal perr	nission to p	lug	JUN 0 6 2023
Freshv	vater denth(c)	ft	350'	Open mine(s) (Y/N)	denths		N	WV Department of Environmental Protectio
			780'	Void(s) encountered			N	
	epth(s) ft		90'	Cavern(s) encountered			N	
		in area (Y/N)	N		•		14	
							Review	ed by:

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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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			
_					
					110
					= 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				
		No.						
_								
					-			
-								
								RECEIVED Office Of Oil and G
								JUN 0 6 2023
								WV Department of Environmental Protect

Please insert additional pages as applicable.

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Rev. 8/23/13				,		_		
API 47- 069	_ 00252	Farm	name_SWN PRO	DDUCTION C	OMPANY, LL	Well number	er MICHAEL RA	ATCLIFFE OHI 5H
RODUCING I	MATION	(2)	DEPTHS					
-KODOCINO	WINITAMINO.	<u>.01</u> .	A STATE OF THE STA	703.710	4.	MD	*	
				-1AD -		_ 1011)	•	
and the state of t		magnetic of the collection of						
Please insert ad	ditional magna	on applicable				g Symmetries		
	-						7 1	
GAS TEST	Build up	Drawdown	□ Open Flow	Ol	LTEST of	low 🗆 Pum	ıp	
SHUT-IN PRE	SSURE Sur	face	psi Botto	m Hole	psi "	DURATION	OF TEST	hrs
OPEN FLOW	Gas	Oil	NGL	W	/ater	GAS MEAS	SURED BY	
	mc	fpd	bpd	_ bpd	bpd	□ Estimated	□ Orifice	□ Pilot
			man	DOTTON			3	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE R	OCK TYPE AN	D RECORD QUA	NTITYAND
NORWANDA	NAME TVD	TVD	MD	MD			Comment of the Asset of Comments of the Commen	C, GAS, H2S, ETC)
	0		0					
	SEE	ATTACHMEN	Т 3		9.			•
			-		-			
		-						
Please insert ac	Iditional nages	as applicable		1		as to state		
Drilling Contra Address_POBC	otor 5000 DNI	LLING COMP	City	SPRING		State TX	Zip 7739	1-2359
Address							•	
			City			State	Zip	
Address			City	-		State	&iP	BECEIV
Cementing Co	mpany					0 : .	err :	Office Of Oil
Address			City			State	Zip	JUN 0
Stimulating Co	ompany						*	
Address			City	-		State	Zip	WV Departr Environmental
Please insert a	dditional pages	as applicable						THE PART OF STREET
Completed h	CAROL A. P.F	RUITT 🦰	unio Title		Telephone	832-796-30	07	
	/					~	5.30.2023	