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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 <u>47</u> -	051	_ 02154	County Marshall		District Clay		
		ıt	Pad Name Freela	nd Pad A	Field/Pool Nan	ne	
Farm name Jo	seph L.	Freeland ET L	JX		Well Number	Freeland M0	8H
Operator (as r Address 700	egistered Cherring	with the OOG) _ gton Parkway	Chevron Appalachi City Cora	a, LLC (494499	935) State PA		
	ing Point	of Curve No	Attach an as-drilled orthing		e, and deviation surv Easting Easting Easting		
Elevation (ft)	1274'	GL	Type of Well	INew □ Existing	g Type of R	Leport Interim	□Final
Permit Type	□ Dev	iated 🗆 Hor	izontal Horizont	al 6A □ Vertio	cal Depth Ty	pe 🗆 Deep	≜ Shallow
Type of Opera	ation 🗆 C	Convert Dec	epen ∎Drill □	Plug Back 🗆 F	Redrilling □ Rev	vork 🛮 Stimul	late
Well Type	Brine Di	sposal CBM	■ Gas □ Oil □ Seco	ondary Recovery	□ Solution Mining	□ Storage □	Other
Drilled with Drilling Medi	□ Cable a Surfac	■ Rotary	ple Fluids Produc □ Mud □Fresh Wat Fresh Water □ Brine	er Intermed	iate hole □ Air t		
Mud Type(s)					Office of	Oil and Gas 2 0 2020	
Date complet	ion activit	ies began	Date drilling comm	Date completion	Environme 2019 Date dr n activities ceased		11/7/2019
Verbal plugg	ing (Y/N)	N Da	ate permission granted	l	Granted by		
Please note:	Operator i	s required to sub	mit a plugging applica	ation within 5 days	s of verbal permission	on to plug	
Freshwater de	epth(s) ft		n/a	Open mine(s) (Y	/N) depths		
Salt water de	pth(s) ft _	n	/a	Void(s) encounte	ered (Y/N) depths _		/a
Coal depth(s)	ft	n/a	<u> </u>	Cavern(s) encou	ntered (Y/N) depths	i	n/a
Is coal being	mined in	area (Y/N)	n/a			Rev	riewed by:

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	02454		ا محمدا	Crasland	ETIIV		Ero	eland I	MOSH
API 47- 051	02154	Farm na	_{me_} Joseph L	. Freeland	EIUX	Well n	umber		
CASING	Hole	Casing		New or	Grade	В	asket	Did cen	nent circulate (Y/N)
STRINGS Conductor	Size	Size	Depth	Used	wt/ft		epth(s)	* Provi	de details below*
Surface	26"	20"	52'	N	X-52	/ 78.67			Y
Coal	· · · · · · · · · · · · · · · · · · ·					,			
Intermediate 1								ļ .	
Intermediate 2						•			
Intermediate 3									
Production					-			ļ	
Tubing								 	
Packer type and de	epth set				<u> </u>	<u> </u>			
CEMENT	Class/Type	Number	Slurry		/ield	Volume	Ceme	nt	woc
DATA Conductor	of Cement	of Sacks	wt (ppg	g) (fl	: ³ /sks)	<u>(ft ³)</u>	Top (M		(hrs)
Surface	Bulk Cement						Surfa	ce	8
Coal							 		
Intermediate 1									-
Intermediate 2			- 			<u> </u>			
Intermediate 3		· · · · · ·						-	
Production						***			
Tubing									
	tion penetrated			Loggers T Plug back					CEIVED Oil and Gas
Kick off depth	(ft) N/A						En	WV Dej vironme	partment of intal Protection
Check all wire	line logs run	□ caliper □ neutron	□ density □ resistivity		ed/direction a ray		uction nperature	□soni	c
Well cored	Yes 🗆 No	□ Convention	nal 🗆 Sidew	val!	We	ere cuttings c	ollected 🗆	Yes E	□ No
DEGCETTE =	an	700 by				_			
DESCRIBE T	HE CENTRALI.	ZER PLACEME	INT USED FOI	K EACH CA	asing ST	KING NA			
WAS WELL O	COMPLETED A	S SHOT HOLE	□ Yes □	No DI	ETAILS	N/A			
WAS WELL O	COMPLETED C	PEN HOLE?	□ Yes □ No	DET.	AILS N/A	·			
WERE TRAC	ERS USED 🗆	Yes • No	TYPE OF TR	RACER(S)	U SED				

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API 4	_{.7} 051	02154	Farms marra	Joseph L. Freeland ET UX	Well number	Freeland M08H
API 4	·/		Farm name		_ w en number_	

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	N/A				
-					
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-				1	
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Please insert additional pages as applicable.

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Office of Oil and Gas

STIMULATION INFORMATION PER STAGE

AUG 2 0 2020

Complete a separate record for each stimulation stage.

WV Department of Environmental Protection

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)
	N/A							
· ·								
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	<u></u>	l					<u> </u>	

Please insert additional pages as applicable.

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API 47- 051	_ 02154	Farm	name_Joseph L.	Freeland E	T UX	Well num	ber Freeland MC	08H
PRODUCING 1	FORMATION	(S)	<u>DEPTHS</u>					
N/A				TVD		MD		
NO. 110 D.		-						
Please insert ad	ditional pages	as annlicable						
GAS TEST			□ Open Flow		OII TEST -	Flow Pu	mp	
								hrs
	SSURE Sur		_psi Botto	m Hole		DUKATIO	N OF TEST	nis
OPEN FLOW	Gas mc	Oil efpd	NGL bpd	bpd	Water bpd		SURED BY ed □ Orifice	□ Pilot
LITHOLOGY/	TOP	воттом	TOP	BOTTOM	1			
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN		E ROCK TYPE A	ND RECORD QUA	ANTITYAND
	NAME TVD	TVD	MD	MD	TYPE OF I	FLUID (FRESHV	VATER, BRINE, O	IL, GAS, H ₂ S, ETC)
	0		0					
							recorded lithology	ductor casing depth,
					about	A THE RESERVE AND	her fluids to report.	tops, water, gas,
							io, maide to repent	
							in te	
							Office of	CEIVED Oil and Gas
			-				ALIC	2 0 2020
							AUU	2 0 2020
							WV Dep	partment of ntal Protection
								- rotestion
Please insert ac	dditional pages	as applicable.						
Drilling Contra	actor Rocky Mo	ountain Drilling					- 0.40	
Address 185 No	orth Vernal Avenu	ie, Suite 2	City	Vernal		State U	TZip_840	78
Logging Comp	nany N/A							
Address			City			State	Zip	
Cementing Co	mpany B3 Serv Millennium Boulev	rard, SE	City	Massillon		State O	H Zip 446	46
Address			City	-				
Stimulating Co					_		77	
Address			City			State	Zıp	
Please insert a	aditional pages	s as applicable.						
Completed by	y Jackie M. Sch	nolar			Telepho	ne 412-865-34	22	
Completed by Signature	16 6 1	10	Title _	Regulatory Co	ompliance Team	Lead Da	te 8/3/2020	
Submittal of H	Iydraulic Fract	uring Chemical	Disclosure Info	rmation	Attach copy	of FRACFO	CUS Registry	

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