RECEIVED Office of Oil and Gas

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

JUN 1 4 2022

WV Deparkment of Environmental Protection
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API <u>47</u> <u>051</u> <u>02078</u>	County	District Clay	
Quad Glen Easton	Pad Name Longworth	Field/Pool Name N/A	
Farm name Graham H. Longworth	Jr.	Well Number Longv	
Operator (as registered with the OOG)	EQT CHAP LLC		
Address 400 Woodcliff Drive	City Canonsburg	State PA	Zip 15317
As Drilled location NAD 83/UTM	Attach an as-drilled plat, profile view	v, and deviation survey	
	Northing 4,410,845.48	Easting 523,374.34	
_	Northing N/A	Easting N/A	
Bottom Hole N	Northing 4,410,842.91	Easting 523,374.54	
Elevation (ft) 1270' GL	Type of Well ■New □ Existing	g Type of Report	∃Interim ■ Final
Permit Type Deviated Ho	orizontal Horizontal 6A Vertic	cal Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert □ De	eepen 💄 Drill 🗆 Plug Back 🗆 I	Redrilling Rework	□ Stimulate
Well Type □ Brine Disposal □ CBM	■ Gas □ Oil □ Secondary Recovery	□ Solution Mining □ Stor	age □ Other
Type of Completion □ Single □ Multi- Drilled with □ Cable ■ Rotary Drilling Media Surface hole ■ Air Production hole □ Air □ Mud □ Mud Type(s) and Additive(s)		Gas □ NGL □ Oil □	□ Other
Date permit issued 09/17/2018 Date completion activities began Verbal plugging (Y/N) N	Date drilling commenced 12/21/ Date completion Date permission granted N/A	2018 Date drilling center of the control of the con	oased 04/16/2019 N/A RECEIVED Office of Oil and Gas
Please note: Operator is required to su	bmit a plugging application within 5 days	s of verbal permission to plu	
Treshvater depth(3) it	99,605 Open mine(s) (Y/N	N) depths	WV Department of N Environmental Protection
Salt water depth(s) ft 1576,1998	8,2102,2139 Void(s) encount	ered (Y/N) depths	N
Coal depth(s) ft583,	Cavern(s) checu	ntered (Y/N) depths	N
Is coal being mined in area (Y/N)	N		Davissyad by



Reviewed by:

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API 47- 051	02078	Farm na	me_Graham	H. Longwo	rth Jr.	Wel	l number_Lor	ngworth M0	1H
CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft	1	Basket Depth(s) (GL)	Did cement cir	
Conductor	30"	20"	40'	NEW		78.67#	N/A		Y
Surface	17-1/2"	13-3/8"	625'	NEW		5 54.5#	N/A		Y
Coal					- 000	0 1.0#	1976	-	1
Intermediate 1	12-3/8"	9-5/8"	2186'	NEW	1_8	80 40#	N/A		Y
Intermediate 2		5.0	2100	I TOTAL		70 40#	13//5		T
Intermediate 3									
Production									
Tubing									
Packer type and de	epth set								
CEMENT DATA	Class/Type of Cement	uring cement jo Number	r Slurr		ield ³/sks)	Volume	Ceme Top (G		WOC (hrs)
Conductor		N/A	N/A		V/A	N/A	0		8+
Surface	CLASS A	520	15.6		.20	624	0		8
Coal									
Intermediate 1	CLASS A	1536	17.0) 1	.03	1582	0		8
Intermediate 2						1002			0
Intermediate 3									
Production									8+
Tubing									
Orillers TD (ft)	1226'			Loggers TD	(A) N/A				
* *	on penetrated S	and/Shale		Plug back to					
	edure Cement Plus: 558' (389sks @17ppg	ug 4/14/2019: 2247' and 1.03yid)	(828sks @ 17ppg a	and 1.03yld)					
Cement Plug 6/1	7/2019: 423' (31	9sks @ 17ppg an	d 1.03yld)						
Kick off depth	(ft) N/A								
Check all wire	line logs run	□ caliper □ neutron	□ density □ resistivity	deviate a gamma			induction temperature	□sonic	
Well cored [Yes No	□ Convention	onal 🗆 Side	wall	W	ere cutting	s collected \square	Yes No)
DESCRIBE TI	HE CENTRALI	ZER PLACEMI	ENT USED FO	R EACH CA	ASING S	TRING _			
	E TRACK AND EVERY	500' TO SURFACE							
INTERMEDIATE: ON	SHOE TRACK AND EV	/ERY 500' FEET TO SUF	RFACE						
WAS WELL (COMPLETED A	AS SHOT HOLE	, □Yes □	No DI	ETAILS				
WAS WELL (COMPLETED (OPEN HOLE?	□ Yes □ N	lo DET.	AILS _				
WERE TO AC	ERS USED 🗆	Van E Na	TYPE OF T	DACEDON	TOED				

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API 47- 051 - 020	78 Graham H. Longworth	n JrWell numberLongworth M01H
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					1 ornavious

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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)
		Stimulations Date Rate (BPM)	Stimulations Date Rate (BPM) Ave Treatment Pressure (PSI)	Stimulations Date Rate (BPM) Ave Treatment Pressure (PSI) Max Breakdown Pressure (PSI)			

Please insert additional pages as applicable.

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API 47- 051	_ 02078	Farm	name_Graham H	. Longworth	Jr.	Well numbe	r_Longworth N	101H
PRODUCING 1	FORMATION(<u>S)</u>	<u>DEPTHS</u>	TVD		MD		
Please insert ad	ditional pages a	as applicable.		<u> </u>		====9		
GAS TEST	□ Build up □	□ Drawdown	□ Open Flow	(OIL TEST 🗆	Flow □ Pump	p	
SHUT-IN PRE	SSURE Suri	face	psi Botto	m Hole	psi	DURATION	OF TEST _	hrs
OPEN FLOW	Gas	Oil	NGL bpd		Water	GAS MEASI	JRED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN F MD	T DESCRIBE	ROCK TYPE AND LUID (FRESHWA'		ANTITYAND IL, GAS, H₂S, ETC)
	0		0					
Dlass insert - 1	1741	1, 1,						
Please insert ad								
Drilling Contra		Drilling LLC						
Address 900 Vir	ginia Street East		City	Charleston		State WV	Zip _2530	1
Logging Compa	any Baker Hugh	nes						
Address 400 Te			City	Canonsburg	9	State PA	Zip 1531	7
Cementing Con		ces					r	
Address 1036 E			City	Bridgeport		State WV	Zip 2633	60
	nenting mpany						-	
Address	рану		City		*):	State	Zin	

Title Managing Director of Drilling

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Please insert additional pages as applicable.

Completed by Derek Ridgway

Signature 1

Attach copy of FRACFOCUS Registry

Date 10/12/2021

Telephone 412-395-3139

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API 47- 051 - 02078	Farm name_Graham H. Longworth Jr.	Well number_	Longworth M01H	
Drilling Contractor				
Address	City	State	Zip	
Logging Company Scientific Dri Address 124 Vista Drive	lling International City Charleroi	State PA	_{Zip}	
Logging Company				
Address	City	State	Zip	
Drilling Contractor				
Address	City	State	Zip	

Well # Longworth M01H Final Formations API# 47-051-02078							
Formation Name Drill Top MD (ftGRD) Drill Top (TVD) (ftGRD) Drill Btm MD (ftGRD) Drill Btm (TVD) (ftGRD							
Sand/Shale	1	1	584	584			
Waynesburg Coal	584	584	584	584			
Sand/Shale	584	584	854	854			
Pittsburgh Coal	854	854	859	859			
Sand/Shale	859	859	1,226	1,226			

