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

Office of Oil and Gas

APR 5 ZUZZ

WV Department of Environmental Protection

054 00000				Environmental Procession
API 47 - 051 - 02086	County Mars		District Washingtor	1
Quad Moundsville	Pad Name Hir	nes	Field/Pool Name N/	A
Farm name Donald Hines et UX			Well Number Hines	s M19H
Operator (as registered with the OOC	EQT CHAP LLO	<u> </u>		
Address 400 Woodcliff Drive	City_C	Canonsburg	State PA	Zip 15317
As Drilled location NAD 83/UTM Top hole Landing Point of Curve	Northing 4,417,391.1		ew, and deviation survey Easting 525,717.177	
Bottom Hole	Northing 4,417,595.0	52	Easting	
Elevation (ft) 1125' GL	-	ll ■New □ Existin		□Interim ■Final
Permit Type Deviated I	Horizontal 💄 Hori	zontal 6A 🛮 D Vert	ical Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert □	Deepen 🗂 Drill	□ Plug Back □	Redrilling Rework	□ Stimulate
Well Type □ Brine Disposal □ CB	M ■ Gas □ Oil □	Secondary Recovery	□ Solution Mining □ Sto	rage Other
Type of Completion □ Single □ Modern □ Cable ■ Rotary	ultiple Fluids Pr	oduced 🗆 Brine [⊐Gas □ NGL □ Oil	□ Other
Drilling Media Surface hole A	ir □ Mud □Fresh	Water Interme	diate hole ■ Air □ Mud	□ Fresh Water □ Brine
Production hole □ Air □ Mud	□ Fresh Water □ B			
Mud Type(s) and Additive(s)				
Date permit issued10/05/2018	Date drilling co	ommenced 03/25	5/2019 Date drilling co	eased06/23/2019
Date completion activities began			on activities ceased	
Verbal plugging (Y/N) N	Date permission gra	ntedN/A	Granted by	N/A
Please note: Operator is required to	submit a plugging ap	plication within 5 day	ys of verbal permission to pl	ug
Freshwater depth(s) ft	365	Open mine(s) (V/	N) depths	N
Salt water depth(s) ft 1039,	1595,1632		tered (Y/N) depths	N
	5,655		untered (Y/N) depths	N
Is coal being mined in area (Y/N)	Υ	- ` ` `	· · · · · · · · · · · · · · · · · · ·	

Reviewed

Reviewed by: MIK 5/11/23 05/27/2022

API 47- 051	02086	Farm name_Donald Hines et UX				We	Well number_Hines M19H		
CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft		Basket Depth(s) (GL)		irculate (Y/N) etails below*
Conductor	30"	20"	28'	NEW		2 78.6#	N/A	Trovide de	Y
Surface	17-1/2"	13-3/8"	455'	NEW		5 54.5#	N/A		Y
Coal									
Intermediate 1	12-3/8"	9-5/8"	2029'	NEW	1-8	0 40#	N/A		Υ
Intermediate 2				14277		10 1011	IN/A		ĭ
Intermediate 3	3								
Production							N/A		M
Tubing							IN/A		N
Packer type and de	epth set								
CEMENT	uring cement jo	Numbe			/ield	Volum	e Cemei	nt	WOC
DATA Conductor	of Cement	of Sack			³/sks)	(ft ³)	Top (G	L)	(hrs)
Surface	CLASS A	N/A	N/A		V/A	N/A	0		8+
Coal	CLASS A / Gro	ut 448/7	6 15.6/1	5.6 1.1	9/1.19	533/9	0 0		8
Intermediate 1									
Intermediate 2	CLASS A	689	15.6	3 1	1.19	820	0		8
Intermediate 3									
Production									
Tubing									
Drillers TD (ft) Deepest formati Plug back proc	ion penetrated M/	ARCELLUS		Loggers TE Plug back to	, ,		-		
Kick off depth	(ft) ⁷³⁷								
Check all wire	line logs run	□ caliper □ neutron	□ density □ resistivity		ed/directi a ray		induction temperature	□sonic	
Well cored	Yes 📕 No	□ Conventi	onal	wall	W	ere cutting	gs collected $\ \square$	Yes 🔳 N	o
DESCRIBE T	HE CENTRALI	ZER PLACEM	ENT USED FO	R EACH CA	ASING S	TRING _			
	E TRACK AND EVERY 5								
INTERMEDIATE: ON	SHOE TRACK AND EV	ERY 500' FEET TO SU	RFACE						
WAS WELL O	COMPLETED A	S SHOT HOLI	∃ □Yes □	No Di	ETAILS				
WAS WELL O	COMPLETED O	PEN HOLE?	□ Yes □ N	lo DET.	AILS _				
WERE TRAC	ERS USED 🗆	Yes □ No	TYPE OF T	RACER(S)	USED				

WR-	35
Rev.	8/23/13

Page	of
rage	OI

API 47- 051 _ 02086

Farm name____Donald Hines et UX

_Well number____Hines M19H

PERFORATION RECORD

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

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)
			***				174.62 (66.6)	THE OCH CHIEF
						-		
	-							
		-						
	_							

Please insert additional pages as applicable.

API 47- 051	02086	Fa	rm name Donald	Hines et UX	<u> </u>	Well	number.	Hines M19H	
PRODUCING	<u>FORMATIO</u>	N(S)	<u>DEPTHS</u>						
				TVD		MD	•		
			-		-				
Please insert ad	lditional page	s as applicabl	le.						
GAS TEST	□ Build up	□ Drawdow	n 🗆 Open Flow	W	OIL TES	T □ Flow	□ Pump		
SHUT-IN PRE	SSURE S	urface	psi Bo	ttom Hole_		osi DURA	TION O	F TEST	hrs
OPEN FLOW	Gas n	Oil ncfpd	NGI bpd		Water	GAS : bpd □ Esti		RED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN F NAME TVD			BOTTC T DEPTH II MD	N FT DESC	CRIBE ROCK TY			NTITYAND L, GAS, H2S, ETC)
	0		0					, 2141.2, 01	5, 57.5, 1128, 110)
		-							
Dlaga invest - 1	1:4: 1	1. 1.							
Please insert ad			e.						
Drilling Contra Address 900 Vir				Observe			140.6		
Address 300 VIII	girila Sireet Las) L	Cit	y Charlesto	on	State	WV	Zip 2530	1
Logging Compa Address 124 Vis		Drilling Intern		Charlara		_	DA	4500	•
			Cit	y Charlero		State	PA	Zip1502	2
Cementing Con		vices			-				
Address 1036 E	nenting		Cit	y Bridgepo	rt	State	WV	Zip _2633	0
Co	mpany								
Address	ditional mass			у +		State		Zip	
Please insert ad	unionai page	s as applicabl	e.						
Completed by	Derek Ridgw				Tele	phone 412-39			
Signature	they	1(18)	Title	Managing Di	rector of Drilli	ng	Date 1	/18/2021	

WR-	35
Rev.	8/23/13

Page ___ of ___

API 47- 051 - 02086	Farm name_Donald Hines et UX	Well numb	er_Hines M19H
Drilling ContractorAddress	City	State	Zip
Logging CompanyAddress	City	State	Zip
Logging CompanyAddress	City	State	Zip
Drilling ContractorAddress	City	State	Zip

	Well# Hines M1	9H Final Formations API	#47-051-02086	
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	366	366
Waynesburg Coal	366	366	369	369
Sand/Shale	369	369	656	656
Pittsburgh Coal	656	656	662	662
Sand/Shale	662	662	1,596	1,596
Big Lime	1,596	1,596	1,658	1,658
Sand/Shale	1,658	1,658	1,832	1,832
Burgoon	1,832	1,832	1,985	1,985
Sand/Shale	1,985	1,985	2,199	2,199
Berea	2,199	2,199	2,220	2,220
Sand/Shale	2,220	2,220	2,456	2,453
Gordon	2,456	2,453	2,531	2,526
Sand/Shale	2,531	2,526	4,978	4,164
Elk	4,978	4,164	4,979	4,165
Sand/Shale	4,979	4,165	5,639	4,527
Rhinestreet	5,639	4,527	5,988	4,911

