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

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Office of Oil and Gas

APR 5 2022

WV Department of Environmental Protection

254				INITON MERITAL PROTECTION
API <u>47</u> 051 02085	County Mars		District Washingto	n
Quad Moundsville	Pad Name Hi	nes	Field/Pool Name N	
Farm name Donald Hines et UX			Well Number Hine	es M18H
Operator (as registered with the OO	G) EQT CHAP LL	С		
Address 400 Woodcliff Drive	City C	Canonsburg	State PA	Zip 15317
As Drilled location NAD 83/UTM Top hole	A Attach an as-d Northing 4,417,395.	rilled plat, profile view. 733	, and deviation survey Easting 525,717.280	
Landing Point of Curve	Northing		Easting	
Bottom Hole	Northing 4,417,607.1	166	Easting 526,491.821	
Elevation (ft) 1125' GL	Type of We	ell ■New □ Existing	Type of Report	□Interim ■Final
Permit Type Deviated	Horizontal # Hori	izontal 6A 🛛 Vertica	al Depth Type	□ Deep 💄 Shallow
Type of Operation □ Convert □	Deepen Drill	□ Plug Back □ R	edrilling Rework	□ Stimulate
Well Type □ Brine Disposal □ Cl	BM ■ Gas □ Oil □	Secondary Recovery	□ Solution Mining □ St	orage Other
Type of Completion ☐ Single ☐ N				
Drilled with \Box Cable \blacksquare Rotary	runds 11	oduced □ Brine □C	Gas □ NGL □ Oil	□ Other
Production hole ☐ Air ☐ Mud Mud Type(s) and Additive(s)	□ Fresh Water □ E	Brine		
Date permit issued10/04/2018 Date completion activities began	B Date drilling co	Date completion	Date diffiling	
Verbal plugging (Y/N) N	_ Date permission gra	intedN/A	Granted by	N/A
Please note: Operator is required to	submit a plugging ap	plication within 5 days	of verbal permission to p	lug
Freshwater depth(s) ft	365	Open mine(s) (Y/N)	depths	N
Salt water depth(s) ft1039	9,1595,1632	Void(s) encounter	*	N
	65,655		tered (Y/N) depths	N
Is coal being mined in area (Y/N)	Υ		•	
	Rev	viewe	d	Reviewed by: MAIC S/U/27

API 47- 051	02085	Farm na	ame_Donald H	lines et UX	(Wel	ll number_Hin	es M18H	
CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft		Basket Depth(s) (GL)	Did cement circu * Provide detail	
Conductor	30"	20"	50'	NEW		2 78.6#	N/A	Y	3 DOIOW
Surface	17-1/2"	13-3/8"	486'	NEW		5 54.5#	N/A	Y	
Coal								·	
Intermediate 1	12-3/8"	9-5/8"	2017'	NEW	L-8	0 40#	N/A	Y	
Intermediate 2								<u>'</u>	
Intermediate 3									
Production							N/A	N	
Tubing									
Packer type and de	epth set								
	uring cement	job.							
CEMENT DATA	Class/Type of Cement	Numbe of Sack		200	rield	Volume			WOC
Conductor	CLASS A	N/A	s wt (pp		³ /sks) V/A	(ft. ³) N/A	Top (G	L)	(hrs) 8+
Surface	CLASS A	448	15.6		1.19	533	0		8
Coal						000			-
Intermediate 1	CLASS A	689	15.6		1.19	820	0		8
Intermediate 2			1			020			0
Intermediate 3									
Production									
Tubing									
Drillers TD (ft) Deepest formati Plug back proc	ion penetrated	MARCELLUS		Loggers TE Plug back to					
Kick off depth	(ft) 2126'								
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	s collected \Box	Yes No	
DESCRIBE TO CONDUCTOR- NONE	HE CENTRAL	IZER PLACEM	ENT USED FO	R EACH CA	ASING S	TRING _			
	E TRACK AND EVERY	7500' TO SURFACE EVERY 500' FEET TO SU	DE405						
INTERIMEDIATE. ON	SHOE THACK AND E	VERY 500 FEET TO SU	HFACE						
WAS WELL (COMPLETED	AS SHOT HOLE	E □Yes □	No DI	ETAILS				
WAS WELL (COMPLETED	OPEN HOLE?	□ Yes □ N	o DET.	AILS				
WERE TRAC	ERS USED	Yes 🗆 No	TYPE OF T	RACER(S)	USED _				

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API 4	47- <mark>051</mark> -	02085	Farm nameDonald Hines et UX	_Well number	Hines M18H
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PERFORATION RECORD

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

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)

Please insert additional pages as applicable.

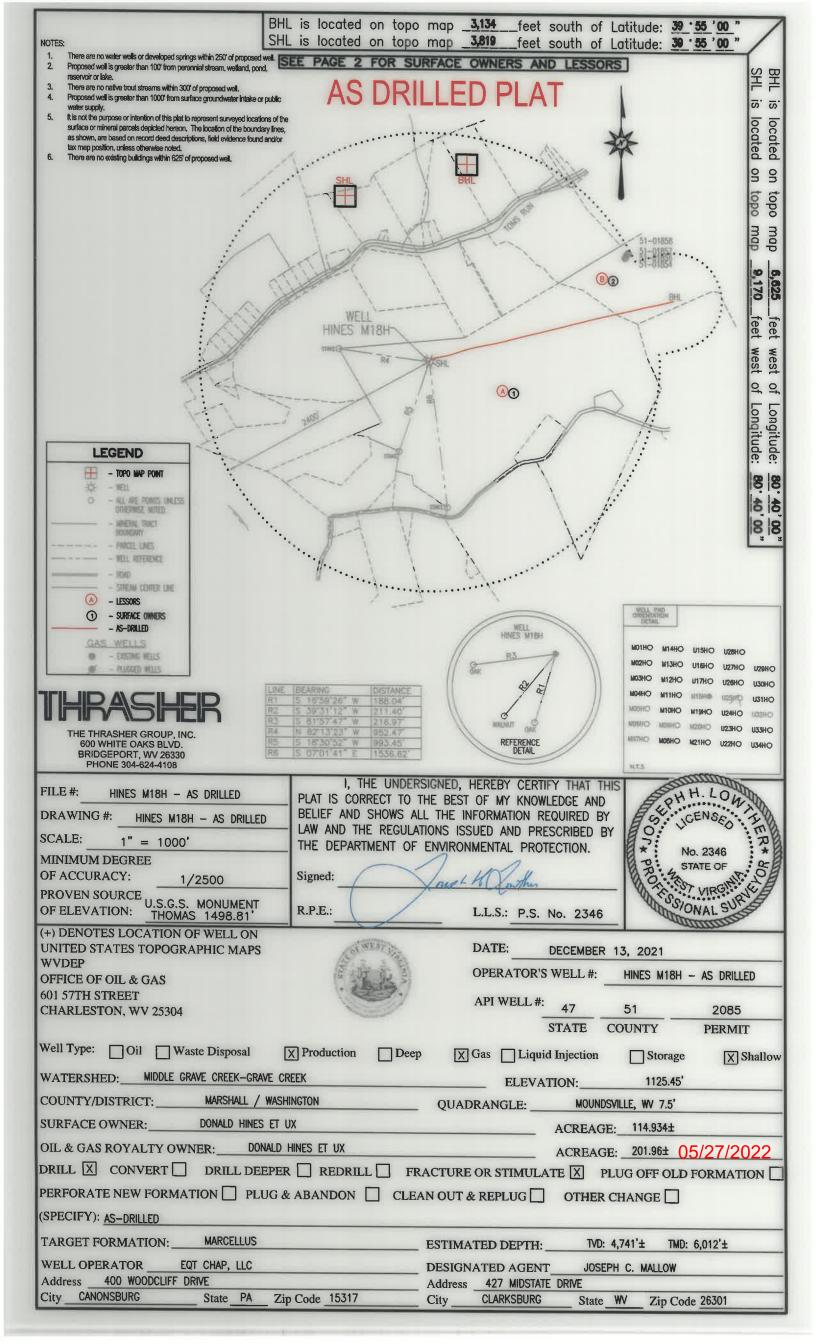
API 4/- 051	_ 02085	Farm	name Donald Hil	nes et UX		Well num	ber_Hines M18	BH
PRODUCING :	FORMATION(<u>S)</u>	<u>DEPTHS</u>					
				TVD		MD		
				_				
Please insert ad	ditional pages a	s applicable.		_				
GAS TEST	□ Build up □	Drawdown	□ Open Flow	C	DIL TEST 🗆	Flow 🗆 Pur	mp	
SHUT-IN PRE	SSURE Surf	ace	_psi Botto	m Hole	psi	DURATION	N OF TEST	hrs
OPEN FLOW	Gas	Oil						
OI EIVI EO W			bpd	hnd		GAS MEA □ Estimate		□ Dilot
				- ^{opu} _	opu	L Limiate	u 🗆 Office	ii Filot
LITHOLOGY/	ТОР	ВОТТОМ	TOP	воттом				
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN F	T DESCRIBE	ROCK TYPE A	ND RECORD Q	UANTITYAND
	NAME TVD	TVD	MD	MD				OIL, GAS, H₂S, ETC)
	0		0					
Please insert ad	ditional pages a	s applicable.						
Drilling Contra	ctor Highlands I	Orilling L.I.C.						
Address 900 Vir			City	Charleston		State W\	/ Zip 25	301
-			•			State	Zip <u></u>	-
	any Scientific Dr	illing Internation						
Address 124 Vis	sta Drive		City	Charleroi		State PA	Zip _15	022
Cementing Con	npany BJ Servic	es						
Address 1036 E			City	Bridgeport		State _W\	/ Zip 26	330
	nenting						r	
Address	mpany		Cit-	t		a. .		
	ditional pages a	s annlicable	City	т		State	Zip	
110011 44	pages a	o applicable,						
_	Derek Ridgway				Telephone	412-395-313		
Signature D	RD	11/18/202	Title _M	anaging Direc	tor of Drilling	Date	11/18/2021	

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API 47- 051 - 02085	Farm name_Donald Hines et UX	Well numb	er_Hines M18H
Drilling ContractorAddress	G'.	_	
Address	City	State	Zip
Logging Company			
Address	City	State	Zip
Logging Company			
Address	City	State	Zip
Drilling Contractor			
Address	City	State	Zip

	Well# Hines M1	8H Final Formations API	#47-051-02085	
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	5,987	4,716



HINES M18H PAGE 2 OF 2

AS DRILLED PLAT

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	OKEY L. RINE JR.	14-11/1

	LESSOR	DIST-TM/PAR
Α	DONALD HINES ET UX	14-12/30
В	OKEY L. RINE JR.	14-11/1

AS-DRILLED LOCATIONS
UTM 17-NA083(M)
SURFACE HOLE LOCATION (SHL)
N:4417395.733
E:525717.280
APPROX LANDING POINT (LP)
N:N/A
E:N/A
BOTTOM HOLE LOCATION (BHL)
N:4417607.166
F:526491.821

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

05/27/2022



THE THRASHER GROUP, INC. 600 WHITE OAKS BLVD. BRIDGEPORT, WV 26330 PHONE 304-624-4108

DECEMBER 13, 2021