Reviewed by:

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

				APR 5	2022	
API <u>47</u> 051 _ 02159	County Marshall	Di	. Wachingto	<b>.</b> .	the self-	
Quad Moundsville Pad Name Hines		Fi	District Washington  Field/Pool Name Antonmental Protection			
Farm name Donald Hines et UX		W	ell Number Hin	es M14H		
Operator (as registered with the OOG	3) EQT CHAP LLC					
Address 400 Woodcliff Drive	City Canon	nsburg	State PA	Zip	15317	
As Drilled location NAD 83/UTM Top hole Landing Point of Curve Bottom Hole	Attach an as-drilled p Northing 4,417,409.65 Northing 4,417,715.52	Easting	g 525,708.46			
Elevation (ft) 1125' GL	Type of Well		Type of Report	□Interim	■Final	
Permit Type   Deviated   1	Horizontal # Horizontal	l 6A 🗆 Vertical	Depth Type	□ Deep	Shallow	
Type of Operation □ Convert □	Deepen ■ Drill □ P	lug Back □ Redrillir	ng □ Rework	□ Stimula		
Well Type □ Brine Disposal □ CB	-		·			
			and mining a st	orașe 🗆 O	tile:	
Type of Completion □ Single □ M	fultiple Fluids Produce	d □ Brine □Gas	□ NGL □ Oil	□ Other _		
Drilled with □ Cable ■ Rotary						
Drilling Media Surface hole ■ A Production hole □ Air □ Mud Mud Type(s) and Additive(s)	ir □ Mud □Fresh Water □ Brine	Intermediate hol	e ∄Air □Muo	i □ Fresh	Water □ Brine	
Date permit issued02/22/2019 Date completion activities began	Date diffilling confine		Date drilling	ceased	06/03/2019	
Verbal plugging (Y/N)		Date completion activit N/A		N/A		
voroai piugging (1/N)	Date permission granted _	1 4/ 🗥	Granted by	IN/A		
Please note: Operator is required to	submit a plugging applicati	on within 5 days of vert	bal permission to p	olug		
Freshwater depth(s) ft	365 Op	pen mine(s) (Y/N) depth	S	N		
Salt water depth(s) ft 1039	1505 1600	Void(s) encountered (Y/		N		
Coal depth(s) ft36	E CEE	Cavern(s) encountered (	•	N	J	
Is coal being mined in area (V/N)	Υ		. ,			

keviewed

API 47- 051	_ 02159	Farm name_Donald Hines et UX			Well number_Hines M14H				
CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft		Basket Depth(s) (GL)		t circulate (Y/N) details below*
Conductor	30"	20"	50'	NEW		5 94#	N/A	Tiovide	Y
Surface	17-1/2"	13-3/8"	437'	NEW	J-55	54.5#	N/A		Y
Coal									
Intermediate 1	12-3/8"	9-5/8"	2050'	NEW	L-8	0 40#	N/A		Υ
Intermediate 2									
Intermediate 3									
Production							N/A		N
Tubing									
Packer type and de	epth set			-	1		<u></u>		
CEMENT	Class/Type	Numl			/ield	Volume	e Ceme	ent	WOC
DATA Conductor	of Cement	of Sac	1		<sup>3</sup> /sks)	(ft <sup>3</sup> )	Top (G	ìL)	(hrs)
Surface	CLASS A	N/A			V/A	N/A	0		8+
Coal	CLASS A	440	3 15.6		.19	533	0		8
Intermediate 1	CLASS A	687	15.6		140	0.17		_	
Intermediate 2	OLAGO A	667	15.6		1.19	817	0		8
Intermediate 3									
Production		_							
Tubing									
Orillers TD (ft)	5929'			Loggers TI	) (G) N/A				
` ′	on penetrated	MARCELLUS		Plug back t	. ,				
Kick off depth	(ft)_769'								
Check all wire	line logs run	□ caliper □ neutror	•		ed/direction		induction temperature	□sonic	
Well cored	Yes No	□ Convent	ional   Side	wall	W	ere cutting	gs collected	Yes 🔳	No
DESCRIBE TI	HE CENTRAL	IZER PLACEM	MENT USED FO	OR EACH CA	ASING ST	TRING =			
	E TRACK AND EVERY								
INTERMEDIATE: ON	SHOE TRACK AND E	VERY 500' FEET TO S	URFACE				,		
WAS WELL (	COMPLETED A	AS SHOT HOL	E 🗆 Yes 🗅	No DI	ETAILS				
WAS WELL O	COMPLETED	OPEN 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
age	01

A DT	47-	051		02159
AFI	4/-		_	

Farm name\_Donald Hines et UX

Well number\_\_\_\_Hines M14H

#### 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)
			8					

Please insert additional pages as applicable.

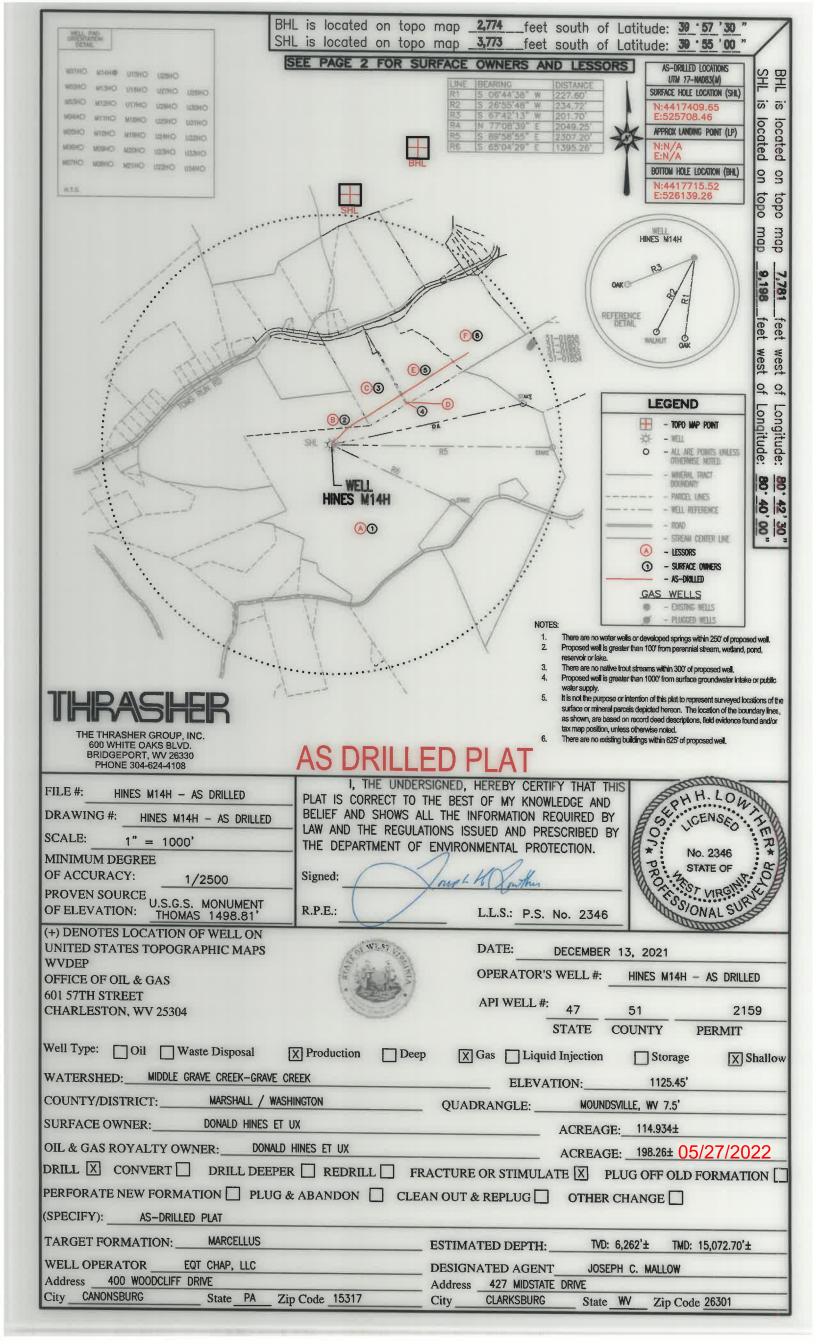
API 47- 051	_ 02159	Farm	name Donald Hir	nes et UX	We	ll number_	lines M14H	
PRODUCING	FORMATION(	<u>S)</u>	<u>DEPTHS</u>	TVD	M	ת		
					17.	D		
Please insert ad	ditional pages a	s applicable.		_				
GAS TEST	□ Build up □	Drawdown	□ Open Flow	0	IL TEST   Flow	□ Pump		
					psi DUR		TEST	hrs
OPEN FLOW	Gas	Oil	NGL			S MEASUR	ED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FI MD	DESCRIBE ROCK TYPE OF FLUID (F		-	
	0		0					
Please insert ad	lditional pages a	s applicable.						
Drilling Contra	ctor Highlands [	Orilling LLC						
Address 900 Vir			City	Charleston	Sta	te WV	Zip 25301	
Logging Comp	any Baker Hugh	es						
	chnology Dr Suite		City	Canonsburg	Sta	te PA	Zip 15317	•
Cementing Cor	npany BJ Servic	es					_ ^	
Address 1036 E	ast Main Street		City	Bridgeport	Sta	te WV	Zip 26330	)
	nenting			_				
Address	mpany		City	+	Sta	te	Zip	
	lditional pages a	s applicable.			Sta		_ Zip	
Completed by	Derek Ridoway				Telephone 412-3	395-3130		
Signature 1	2 Pm	11/18/7	Loza Title M	anaging Direct	or of Drilling	Date 11/	18/2021	

WR-	35
Rev.	8/23/13

Page \_\_\_ of \_\_\_

API 47- 051 - 02159	Farm name_Donald Hines et UX	Well number	Hines M14H
Drilling Contractor			
Address	City	State	Zip
Logging Company Scientific Drilling Address 124 Vista Drive	ng International  City Charleroi	State PA	Zip 15022
Logging Company			
Address	City	State	Zip
Drilling Contractor			
Address	City	State	Zip

	Well# Hines M1	4H Final Formations API	# 47-051-02159	
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	1,593
Big Lime	1,596	1,593	1,658	1,655
Sand/Shale	1,658	1,655	1,832	1,826
Burgoon	1,832	1,826	1,985	1,978
Sand/Shale	1,985	1,978	2,199	2,189
Berea	2,199	2,189	2,220	2,210
Sand/Shale	2,220	2,210	2,456	2,438
Gordon	2,456	2,438	2,531	2,508
Sand/Shale	2,531	2,508	4,978	4,702
Elk	4,978	4,702	4,979	4,703
Sand/Shale	4,979	4,703	5,639	5,293
Rhinestreet	5,639	5,293	5,929	5,555



### HINES M14H PAGE 2 OF 2

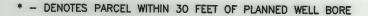
## AS DRILLED PLAT

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2*	ARNIE N. GOODNIGHT ET UX	14-12/25
3*	EDWARD DAVID KNUTH ET UX	14-12/27
4*	EDWARD DAVID & KATHY JO KNUTH	14-12/28.1
5*	TOBIAS G. & JESSICA D. BROWN	14-12/28
6	JODI LYNN & TERRY A. HARDING	14-12/29

	LESSOR	DIST-TM/PAR
Α	DONALD HINES ET UX	14-12/30
В	LYNN ELLEN COOK	14-12/25
	WILLIAM F. RULONG	
	CHARLES BURTON RULONG	
	GARY MORRISON	
	ELIZABETH Y. MORRISON	
	ROGER GLEN RULONG	
	TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	
	CLYDE DOWLER ET UX	
	DRU ELLA FOX	
	LAURA J. REYES	
	DALE FRANCIS FURBEE	
	HAROLD DEAN FURBEE	
	JOHN T. MORRIS	
	ETHEL M. RULONG	
	RICHARD J. RULONG	
	ROBERT L. RULONG	
	TERRY LEE RULONG	
	TRACEY LYNN RULONG	
С	EULALIA MAE SIMMONS	14-12/27
D	EULALIA MAE SIMMONS	14-12/28.1
E	EULALIA MAE SIMMONS	14-12/28
F	JODI LYNN HARDING ET VIR	14-12/29

AS-DRILLED LOCATIONS
UTM 17-INDUS(M)
SURFACE HOLE LOCATION (SHL)
N:4417409.65
E:525708.46
APPROX LANDING POINT (LP)
N:N/A
E:N/A
BOTTOM HOLE LOCATION (BHL)
N:4417715.52
E:526139.26

05/27/2022





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