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

API <u>47</u> <u>051 </u> <u>01932 County</u> Marshall	District Washington WV Department of Environmental Protection
Quad Moundsville Pad Name Hines	Field/Pool Name N/A
Farm name Donald Hines et UX	Well Number Hines M10H
Operator (as registered with the OOG) EQT CHAP LLC	
Address 400 Woodcliff Drive City Canonsburg	State PA Zip 15317
	State Zip
As Drilled location NAD 83/UTM Attach an as-drilled plat, profile v Top hole Northing 4,417,391.37	riew, and deviation survey Easting 525,708.06
Landing Point of Curve Northing 4,417,028.64	Easting 525,409.90
Bottom Hole Northing 4,415,146.45	Easting 526,273.15
Elevation (ft) 1125' GL Type of Well New Dexist	ting Type of Report □Interim ■Final
Permit Type Deviated Horizontal Horizontal 6A Ve	ertical Depth Type 🗆 Deep 💄 Shallow
Type of Operation □ Convert □ Deepen ■ Drill □ Plug Back	□ Redrilling □ Rework □ Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ Secondary Recover	ery Solution Mining Storage Other
-	□Gas □ NGL □ Oil □ Other
Drilled with □ Cable ■ Rotary	
Drilling Media Surface hole ■ Air □ Mud □Fresh Water Intern	nediate hole ■ Air □ Mud □ Fresh Water □ Brine
Production hole Air Mud Fresh Water Brine	inediate field a fill a filled to the filled to brille
Mud Type(s) and Additive(s)	
Synthetic Oil Based Mud 12.6 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodiu	um budravide, pheenbeestee and allud absolute a futural designation
partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol	
Date permit issued08/15/2017 Date drilling commenced12/1	14/2017 Date drilling ceased 06/10/2018
	tion activities ceased
	Granted by N/A
Date permission granted	Granted by
Planna mater. Operator is acquired to a local to the state of the stat	
Please note: Operator is required to submit a plugging application within 5 d	lays of verbal permission to plug
Freshwater depth(s) ft Open mine(s) (Y/N) depths N
1020 1505 1000	untered (Y/N) depths
365 655	countered (Y/N) depths N
Is coal being mined in area (V/N)	
Reviewe	Reviewed by:
INCAIGME	Mar Sul

API 47- 051	01932	_ Farm name_	Donald Hine	es et UX	(_Well nu	mber_Hine	es M10H
CASING STRINGS		Casing Dep		New or Used	Grade wt/ft	Bas		Did cement circulate (Y/ I * Provide details below*
Conductor	30"	20"	45'	NEW	X-52 218.8		N/A	Y
Surface	17-1/2"	13-3/8"	405'	NEW	J-55 54.5#		N/A	Y
Coal							147.1	
Intermediate 1	12-3/8"	9-5/8"	1987'	NEW	L-80 40#	_	N/A	Y
Intermediate 2					2 00 10%		14/74	
Intermediate 3								
Production	8-1/2"	5-1/2" 1	13,841'	NEW	P-110 20#		N/A	NI NI
Tubing			.0,011	11211	1-110 20#		IV/A	N N
Packer type and de	epth set							,
producing for CEMENT	Production Cem mation. No issues	ent job has a ca during cement	t job. Slurry			olume	r than 500	
DATA	of Cement	of Sacks	wt (ppg)			(ft ³)	Top (GI	,,,,,,
Conductor	CLASS A	N/A	N/A	1	N/A	N/A	0	8+
Surface	CLASS A	344	15.6	1	.20	412	0	8
Coal								
Intermediate 1	CLASS A	627	15.6	1	.19	746	0	8
Intermediate 2								
Intermediate 3								
Production	CLASS H/CLASS H	776/1527	14.7/15.2	1.1	3/1.15 87	6/1756	1707	7 8+
Tubing								
Orillers TD (ft)	13,891'		Lo	ggers TD) (ft) N/A			
, ,	on penetrated MARCI	ELLUS		ig back to				
lug back proce				ag ouest t	U (11)			
Kick off depth (-		■ deviate	ed/directional a ray	□ indu	ction perature	□sonic
Well cored DESCRIBE TO		Conventional	□ Sidewall			_	llected 🗆	Yes No
CONDUCTOR- NONE	HE CENTRALIZEI	CPLACEMENT	USED FOR E	EACH CA	ASING STRIN	G		
	E TRACK AND EVERY 500' T							
	SHOE TRACK AND EVERY HOE TRACK AND EVERY JO							
	COMPLETED AS S		□ Yes □ No) DF	ETAILS			
					A TI G			
WAS WELL (COMPLETED OPE	N HOLE? -)	res □ No	DETA	AILS			
WERE TRAC	ERS USED □ Yes	s □ No T	YPE OF TRA	CER(S) U	JSED			

WR-	35
Rev.	8/23/13

API 47- 051 0193	32
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Farm name____Donald Hines et UX

Well number Hines M10H

PERFORATION RECORD

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

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

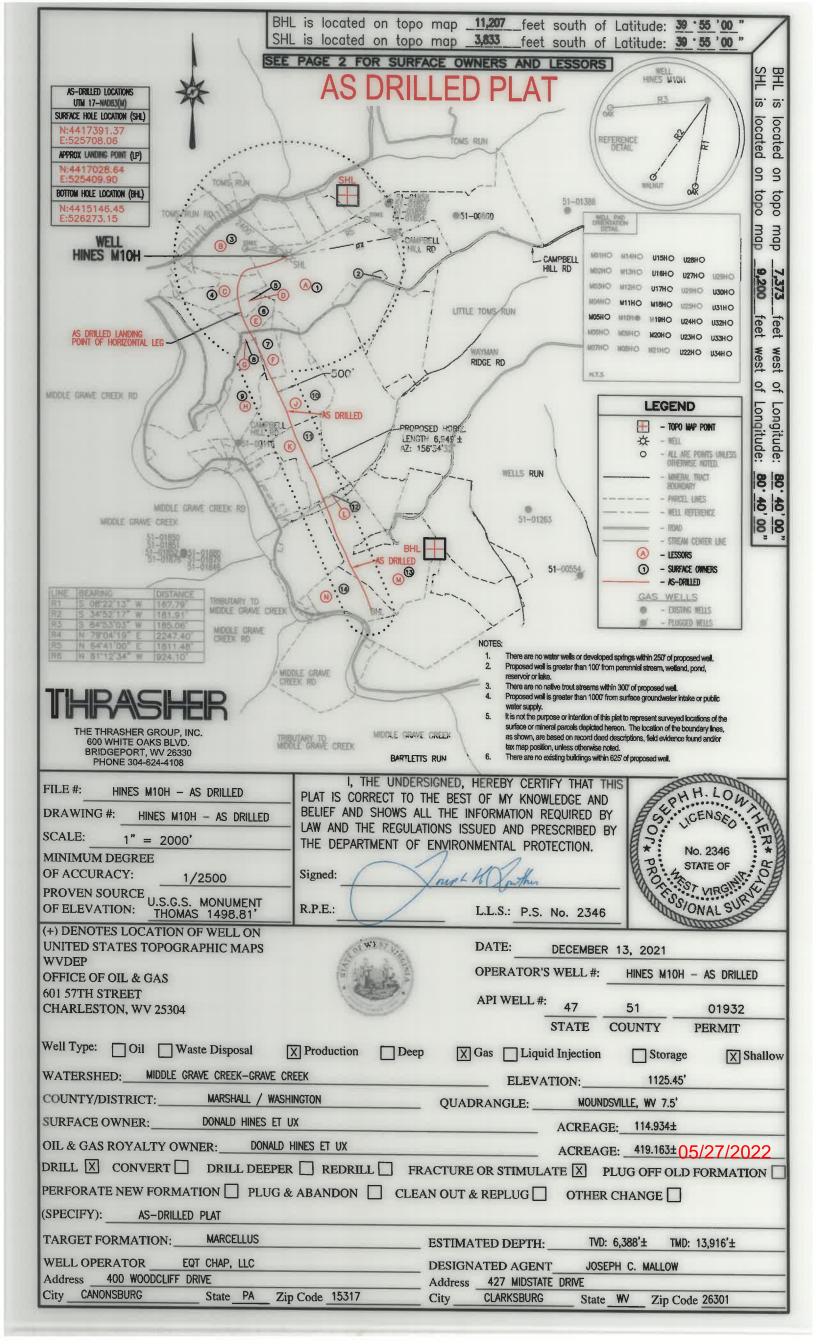
Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.

API 47- 051	_ 01932	Farm i	name_Donald Hil	nes et UX		Well n	umber_	Hines M10H	
PRODUCING	FORMATION(<u>S)</u>	<u>DEPTHS</u>						
				TVD		MD			
Please insert ad	lditional pages a	s applicable.				-			
GAS TEST	□ Build up □	Drawdown	□ Open Flow	(OIL TEST 🛚	Flow 🗆	Pump		•
SHUT-IN PRE	SSURE Surf	ace	_psi Botto	m Hole	psi	DURAT	ION O	F TEST	hrs
OPEN FLOW	Gas	Oil							
			opd		bpd	GAS M □ Estim			□ Pilot
LITHOLOGY/	TOP	BOTTOM	TOP	BOTTOM					
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN I				RECORD QUAN	
	NAME TVD 0	TVD	MD 0	MD	TYPE OF F	LUID (FRES	HWATE	ER, BRINE, OIL,	GAS, H ₂ S, ETC)
	0		0						
Please insert ad	lditional pages a	s applicable.							
Drilling Contra	ctor Highlands [Orilling LLC							
Address 900 Vir	rginia Street East		City	Charleston		State	WV	Zip 25301	
Logging Comp	any Baker Hugh	es							
	chnology Dr Suite		City	Canonsburg	3	State	PA	Zip 15317	
			City		2	State		_ Zip	
	mpany BJ Service	es							
Address 1036 E	menting		City	Bridgeport		State	WV	Zip	
	mpany								
Address			City	+	-:	State		Zip	
Please insert ad	lditional pages a	s applicable.		W.					
Completed by	Derek Ridgway				T-11	412-305	3130		
Signature 1		12/6/2	M L Title M	anaging Dire	Telephon ctor of Drilling	e 412-395-		2/06/2021	-
~19:14141	(~ ()	الم العالم	THE W		U. D.I.IIIII		Jale 12	-, -V/-V/- I	

API 47- 051 - 01932 Farm name_D	onald Hines et UX	_Well number_	Hines M10H
Drilling Contractor Precision Drilling Address 10350 Richmond Ave. Suite 700	City Houston	State TX	_ _{Zip} 77042
Logging Company Scientific Drilling Internation Address 124 Vista Drive	onal _{City} Charleroi	State PA	15022
Logging Company			
Address	City	State	_ Zip
Drilling ContractorAddress	City	State	Zip

		OH Final Formations API		
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD
Sand/Shale	1	1	365	365
Waynesburg Coal	365	365	368	368
Sand/Shale	368	368	655	655
Pittsburgh Coal	655	655	661	661
Sand/Shale	661	661	1,595	1,595
Big Lime	1,595	1,595	1,657	1,656
Sand/Shale	1,657	1,656	1,831	1,830
Burgoon	1,831	1,830	1,984	1,982
Sand/Shale	1,984	1,982	2,198	2,195
Berea	2,198	2,195	2,219	2,216
Sand/Shale	2,219	2,216	2,455	2,452
Gordon	2,455	2,452	2,530	2,527
Sand/Shale	2,530	2,527	4,977	4,894
Elk	4,977	4,894	4,978	4,895
Sand/Shale	4,978	4,895	5,638	5,433
Rhinestreet	5,638	5,433	6,291	5,952
Sonyea	6,291	5,952	6,412	6,038
Middlesex	6,412	6,038	6,461	6,069
Genesee	6,461	6,069	6,529	6,109
Geneseo	6,529	6,109	6,577	6,135
Tully	6,577	6,135	6,648	6,171
Hamilton	6,648	6,171	6,844	6,246
Marcellus	6,844	6,246	13,891	6,363



HINES M10H PAGE 2 OF 2

AS DRILLED

	LESSOR	DIST-TM/PAR
<u> </u>	DONALD HINES ET UX	14-12/30
В	WILLIAM F. RULONG	14-12/25
	CHARLES BURTON RULONG	
	HAROLD DEAN FURBEE	
	DALE FRANCIS FURBEE	
	ROBERT L. RULONG	1
	DRU ELLA FOX	1
	JOHN T. MORRIS	1
	LYNN ELLEN COOK	1
	ETHEL M. RULONG	1
	TERRY LEE RULONG	1
	RICHARD J. RULONG	1
	TRACEY LYNN RULONG	1
	GARY MORRISON	1
	ELIZABETH Y. MORRISON	-
	ROGER GLEN RULONG	-
	TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	1
	CLYDE DOWLER ET UX	-
	LAURA J. REYES	-
С	ARNIE N. GOODNIGHT ET UX	14 40/00
D	MORGAN T. LACEFIELD	14-12/66
E	MORGAN T. LACEFIELD	14-12/30.5
F	DONALD M. BOSTON ET AL	14-12/30.1
	DONALD M. BOSTON ET AL	14-12/33.2
G H	ELIHU B. SERDA ET UX	14-12/45.1
H	SHANNETTE OMEAR	14-12/45
	SANDRA K. FULLER	
	DOUGLAS L. PARSONS	
	DONALD M. BOSTON ET UX	
	DAVID D. PARSONS ET UX	
	JAMES CRAIG PARSONS	
	ROBERT B. FULLER TEST TRUSTEE	
	GRACE I. SCARBOROUGH	
j	SHANNETTE OMEAR	14-12/33
	SANDRA K. FULLER	
	DOUGLAS L. PARSONS	1
	DONALD M. BOSTON ET UX	1
	DAVID D. PARSONS ET UX	1
	JAMES CRAIG PARSONS	1
	ROBERT B. FULLER TEST TRUSTEE	1
	GRACE I. SCARBOROUGH	
K	SHANNETTE OMEAR	14-12/34
	SANDRA K. FULLER	12/04
	DOUGLAS L. PARSONS	1
	DONALD M. BOSTON ET UX	
	DAVID D. PARSONS ET UX	
	JAMES CRAIG PARSONS	-
	ROBERT B. FULLER TEST TRUSTEE	
	GRACE I. SCARBOROUGH	
	RICHARD C. YOHO ET UX	14 47711
M	TODD R. KETTLER ET UX	14-13/41
N	THOMAS AND EVELYN JOHNSON	14-13/2
100	THOMAS AND EVELTH JOHNSON	14-13/22

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	IRENE D. MILLER	14-12/25
4	ARNIE N. GOODNIGHT ET UX	14-12/66
5	MORGAN T. LACEFIELD	14-12/30.5
6	MORGAN LACEFIELD	14-12/30.1
7	DONALD M. BOSTON ET UX - LIFE	14-12/33.2
8	ELIHU B. & MAILA L. SERDA	14-12/45.1
9	HENRY T. PARSONS EST ET AL	14-12/45
10	HENRY T. PARSONS EST ET AL	14-12/33
11	HENRY T. PARSONS EST ET AL	14-12/34
12	RICHARD C. & CARLA V. YOHO	14-13/41
13	TODD & DAWN R. KETTLER	14-13/2
14	EVELYN RUTH JOHNSON	14-13/22



05/27/2022



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