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

RECEIVED
Office of Oil and Gas WV Department of Environmental Protection

API 47 051 01930	County Marshall	District V	<i>N</i> ashington				
Quad Moundsville	Pad Name Hines		Field/Pool Name N/A				
Farm name Donald Hines et UX			Well Number Hines M08H				
Operator (as registered with the OOG)	EQT CHAP LLC						
Address 400 Woodcliff Drive	City Canonsh	ourg State	PA	Zip_15317			
	Northing 4,417,382.49	t, profile view, and deviation Easting 525,7	07.83				
	Northing 4,417,189.43	Easting 525,9					
Bottom Hole	Northing 4,414,748.94	Easting 526,99	3 3.32				
Elevation (ft) 1125' GL	Type of Well New	✓ □ Existing Type	e of Report □Inte	rim Final			
Permit Type Deviated H	orizontal 🚇 Horizontal 6A	A □ Vertical Dep	oth Type 🗆 D	Deep Shallow			
Type of Operation □ Convert □ □	Deepen ■ Drill □ Plug	Back Redrilling	□ Rework □ Sti	imulate			
Well Type □ Brine Disposal □ CBM	I ■ Gas □ Oil □ Secondar	y Recovery Solution M	ining Storage	□ Other			
Type of Completion □ Single □ Mu							
	Turds Froduced	□ Brine □Gas □ NGL	∠ □ Oil □ Oth	ier			
Drilled with □ Cable ■ Rotary							
Drilling Media Surface hole Air	^ □ Mud □Fresh Water	Intermediate hole	Vir Mud E	mosh Water - Duite			
	☐ Fresh Water ☐ Brine	intermediate note	III 🗆 IVIQQ 🗀 F	resh water \Box Brine			
Mud Type(s) and Additive(s)	1 i i csii watei 🗆 Biijje						
• •							
Synthetic Oil Based Mud 12.6 ppg barium sulfate, sodium chlo- partially hydrolyzed polyacrylamide/polyacrylate, potassium							
2	The state of the s	onosio, adottor and modified raily acid, 161	Tochronie lighosolionate, ca	icium carbonate, fibrous cellulose			
Date permit issued08/15/2017	Date drilling commence	d12/13/2017Da	ate drilling ceased	06/03/2018			
Date completion activities began		te completion activities ceas	sed				
Verbal plugging (Y/N) N	Date permission granted	N/A Grant	ed by	N/A			
Please note: Operator is required to so	ubmit a plugging application	within 5 days of verbal perr	nission to plug				
Freshwater depth(s) ft	365 Open	mine(s) (Y/N) depths	1	N			
Salt water depth(s) ft 1039,	1595,1632 _{Voi}	d(s) encountered (Y/N) dep		N			
	,655 Cav	vern(s) encountered (Y/N) d		N			
Is coal being mined in area (Y/N)	Y	.,	1	-			
	Review	7ed		Reviewed by:			

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API 47- 051	01930	Farm n	_{ame_} Dor	nald Hines	et U	<	W	ell number_	Hines M0)8H
CASING STRINGS	Hole Size	Casing Size	Depth (GL)		ew or Jsed	Grade wt/ft		Basket Depth(s) (GL		ment circulate (Y/N) vide details below*
Conductor	30"	20"	45'		1EM	X-52 2	18.82#	N/A	710	Y
Surface	17-1/2"	13-3/8"	395		VEW	J-55 5		N/A		Y
Coal						0.000	71.011	19/73		
Intermediate 1	12-3/8"	9-5/8"	1983	3' N	1EW	L-80	40#	N/A		Y
Intermediate 2				·		2.00	7017	IN/A		
Intermediate 3								 	_	
Production	8-1/2"	5-1/2"	15,58	36' N	NEW	P-110	20#	N/A		NI NI
Tubing			10,00	,5 1	VLVV	1-110	7 20#	IN/A		N
Packer type and d	epth set									
Comment Details producing fo CEMENT	Production Centrology	nent job has s during ce	ment job	lated TOC		39' GL, wh	ich is g		500' TVD	
DATA	of Cement	of Sacl		wt (ppg)		t ³ /sks)	(ft 3)		p (GL)	WOC (hrs)
Conductor	CLASS A	N/A		N/A		N/A	N/A		0	8+
Surface	CLASS A	344		15.6		1.20	412		0	8
Coal										
Intermediate 1	CLASS A	685		15.6		1.19	815		0	8
Intermediate 2										
Intermediate 3										
Production	CLASS H/CLASS H	776/18	65	14.7/15.2	1.1	3/1.15	876/21	44	1639	8+
Tubing										
Drillers TD (ft)				Log	gers TI	O (ft) N/A				
-	ion penetrated MARC	ELLUS		Plug	g back t	o (ft) N/A				
Plug back proc	edure									
Kick off depth	(ft) 4524'									
-	`	=1:		•.						
Check all wire	line logs run	□ caliper□ neutron			deviat gamm	ed/direction		induction temperatur	A 550#	i.
				•	gamm	a ray		temperatur	e □son	IIC
Well cored	Yes No	□ Conventi	onal 🗆	Sidewall		We	re cuttin	gs collected	□ Yes	■ No
DESCRIBE T	HE CENTRALIZE	R PLACEM	ENT USI	ED FOR EA	ACH C	ASING ST	RING			
	E TRACK AND EVERY 500'									
	SHOE TRACK AND EVERY SHOE TRACK AND EVERY J									
WAS WELL (COMPLETED AS	SHOT HOL	E □Y€	es 🗆 No	DI	ETAILS _				
WAS WELL (COMPLETED OP	EN HOLE?	□ Yes	□ No	DET.	AILS				
WERE TRAC	ERS USED 🗆 Ye	s 🗆 No	TYPE	OF TRAC	ER(S)	USED				

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Farm name Donald Hines et UX

Well number Hines M08H

PERFORATION RECORD

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

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

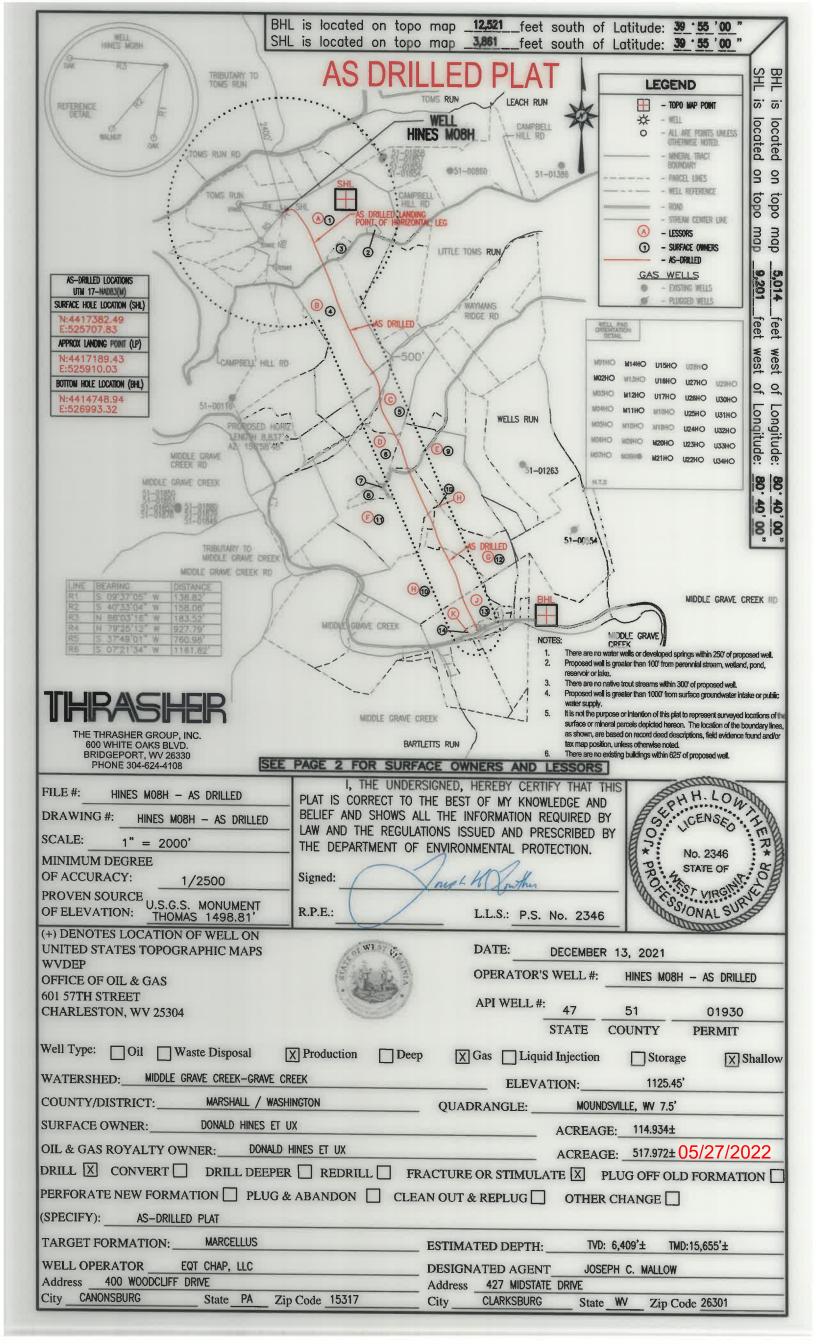
Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
								, , , , , , , , , , , , , , , , , , , ,
				-				

Please insert additional pages as applicable:

API 47- 051	_ 01930	Farm	name Donald Hi	nes et UX		Well n	umber <u></u> H	ines M08F	1
PRODUCING	FORMATION(<u>S)</u>	<u>DEPTHS</u>						
				TVD		MD			
D1 1				_					
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 OF	TEST _	hrs
OPEN FLOW	Gas	Oil	NGL bpd		Water	GAS M	EASUR	ED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTON DEPTH IN MD	FT DESCRIBE				ANTITYAND IL, GAS, H₂S, ETC)
	0		0						
	V								
D1 .									
Please insert ad	ditional pages a	s applicable.							
	ctor Highlands I	Orilling LLC							
Address 900 Vir	ginia Street East		City	Charleston	1	State	WV	Zip 2530	01
Lagging Camp	any Baker Hugh	es							
	chnology Dr Suite		City	Canonsbu	rg	State	PA	Zip 153	17
	DIO					5.0.0			
Cementing Cor Address 1036 E	npany BJ Servic	es		Delalara			14/1/	200	
	nenting		City	Bridgeport		State	WV	Zip 2633	30
	mpany								
Address			City	+		State		Zip	
Please insert ad	lditional pages a	s applicable.							
Completed by	Derek Ridgway				Telephone	412-395	-3139		
Signature 12	1 22	12/6/2	Title M	anaging Dire	ector of Drilling		Date 12/0	06/2021	
	,	101.							

API 47- 051 - 01930 Farm name_	Donald Hines et UX	Well number_	Hines M08H
Drilling Contractor Precision Drilling Address 10350 Richmond Ave. Suite 700	City Houston	State TX	77042
Logging Company Scientific Drilling Internat Address 124 Vista Drive	ional _{City} Charleroi	State PA	15022
Logging Company			
Address	City	State	Zip
Drilling Contractor			
Address	City	State	Zip

	Well # Hines M0	8H Final Formations API#	[‡] 47-051-01930	
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	1,594
Big Lime	1,595	1,594	1,657	1,656
Sand/Shale	1,657	1,656	1,831	1,830
Burgoon	1,831	1,830	1,984	1,983
Sand/Shale	1,984	1,983	2,198	2,197
Berea	2,198	2,197	2,219	2,218
Sand/Shale	2,219	2,218	2,455	2,454
Gordon	2,455	2,454	2,530	2,529
Sand/Shale	2,530	2,529	4,977	4,970
Elk	4,977	4,970	4,978	4,971
Sand/Shale	4,978	4,971	5,638	5,611
Rhinestreet	5,638	5,611	6,022	5,957
Sonyea	6,022	5,957	6,137	6,042
Middlesex	6,137	6,042	6,186	6,074
Genesee	6,186	6,074	6,252	6,114
Geneseo	6,252	6,114	6,295	6,140
Tully	6,295	6,140	6,354	6,174
Hamilton	6,354	6,174	6,536	6,254
Marcellus	6,536	6,254	15,630	6,384



HINES M08H PAGE 2 OF 2 AS DRILLED

	LESSOR	DIST-TM/PAR
Α	DONALD HINES ET UX	14-12/30
В	DOUGLAS EDWARD GOULDSBERRY ET UX	14-12/32
С	PATRICIA S. HOSKINS	14-13/4
D	TODD R. KETTLER ET UX	14-13/3
E	TIMOTHY GEHO	14-13/6
F	TODD R. KETTLER ET UX	14-13/2
G	RICHARD F. VARGO ET UX	14-13/21
H	RICHARD F. VARGO ET UX	14-13/21.1
J	ROBERT W. COFFIELD ET UX	14-13/18
K	RM COFFLIED FAMILY TRUST ET AL	14-13/18.1

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	LANCE J. GOSSETT ET UX	14-12/30.2
4	DOUGLAS EDWARD GOULDSBERRY ET UX	14-12/32
5	PATRICIA SUE HOSKINS	14-13/4
6	TODD R. & DAWN R. KETTLER	14-13/3
7	TODD R. & DAWN R. KETTLER	14-13/3.1
8	TODD R. & DAWN R. KETTLER	14-13/2.1
9	TIMOTHY G. GEHO ET UX	14-13/6
10	RICHARD E. & JADE L. VARGO	14-13/21.1
11	TODD & DAWN R. KETTLER	14-13/2
12	RICHARD E. & JADE L. VARGO	14-13/21
13	R. M. COFFIELD FAMILY TRUST	14-13/18
14	STATE ROAD COMMISSION	14-13/18.1

AS-DRILLED LOCATIONS
UTM 17-MADB3(M)
SURFACE HOLE LOCATION (SHL)
N:4417382.49
E:525707.83

APPROX LANDING POINT (LP)
N:4417189.43
E:525910.03
BOTTOM HOLE LOCATION (BHL)
N:4414748.94
E:526993.32

05/27/2022



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