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

APR 5 2022

				WILL D. FOEF
API <u>47</u> <u>051 02156</u>	County Mars	shall	District Washingto	MV Department of Environmental Protection
Quad Moundsville	Pad Name Hi	nes	Field/Pool Name N/	A Protection
Farm name Donald Hines et U	X		Well Number Hine	
Operator (as registered with the O	OG) EQT CHAP LL	.C		
Address 400 Woodcliff Drive	City	Canonsburg	State PA	Zip 15317
As Drilled location NAD 83/U. Top hole Landing Point of Curve	TM Attach an as-converted Northing 4,417,405. Northing		r, and deviation survey Easting 525,699.22 Easting	
Bottom Hole	Northing 4,417,631.		Easting 525,969.76	
Elevation (ft) 1125'	GL Type of W	ell •New □ Existing		□Interim ≜ Final
Permit Type Deviated	Horizontal 🗂 Hor	izontal 6A 🛮 🗆 Vertic	al Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert	□ Deepen 💄 Drill	□ Plug Back □ R	tedrilling □ Rework	□ Stimulate
Well Type □ Brine Disposal □	CBM	Secondary Recovery	□ Solution Mining □ Sto	orage Other
Type of Completion □ Single □ Drilled with □ Cable ■ Rotar	-	roduced 🗆 Brine 🖂	Gas □ NGL □ Oil	□ Other
Drilling Media Surface hole	IAir □ Mud □Fresh	Water Intermedi	ate hole Air - Mud	☐ Fresh Water ☐ Brine
Production hole			ate hole Bith billing	□ Fresh water □ Bille
Mud Type(s) and Additive(s)	_ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Date permit issued 02/22/20	19 5 1 30	commenced 03/20/2	2010	05/10/0010
Date permit issued	Date drilling o		Date diffiling C	eased05/12/2019
Date completion activities began			activities ceased	N1/A
Verbal plugging (Y/N) N	Date permission gra	anted N/A	Granted by	N/A
Please note: Operator is required	to submit a plugging ap	oplication within 5 days	of verbal permission to pl	lug
Freshwater depth(s) ft	365	Open mine(s) (Y/N) depths	N
	39,1595,1632		red (Y/N) depths	N
Coal depth(s) ft	365,655		ntered (Y/N) depths	N
Is coal being mined in area (Y/N)	Υ		· · · · · · · · · · · · · · · · · · ·	

Reviewed

Reviewed by:

95/27/2022

API 47- 051	02156	Farm name_Donald Hines et UX			<	Well number_Hines M02H			
CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft		Basket Depth(s) (GL)		circulate (Y/N)
Conductor	30"	20"	50'	NEW	X-52	2 78.6#	N/A		Y
Surface	17-1/2"	13-3/8"	442'	NEW	J-58	5 54.5#	N/A		Υ
Coal									
Intermediate 1	12-3/8"	9-5/8"	2015'	NEW	L-8	30 40#	N/A		Υ
Intermediate 2									
Intermediate 3									
Production							N/A		N
Tubing									
Packer type and de	epth set								
CEMENT DATA	Uring cement jo Class/Type of Cement	Ob. Number of Saci			Yield t ³ /sks)	Volum (ft ²)			WOC (hrs)
Conductor	CLASS A	N/A	N/A		N/A	N/A			8+
Surface	CLASS A	448	15.6	6	1.19	533	0		8
Coal									
Intermediate 1	CLASS A	687	15.6		1.19	817	0		8
Intermediate 2									
Intermediate 3									
Production									
Tubing									
Orillers TD (ft) Deepest formation Plug back proc	ion penetrated Medure	IARCELLUS		Loggers TI Plug back t	` '				
-		- 1°	1						
Check all wire	ime logs run	□ caliper □ neutron	□ density□ resistivity		ed/directi a ray		induction temperature	□sonic	
Well cored	Yes No	□ Conventi	onal	wall	W	ere cuttin	gs collected	Yes N	o
CONDUCTOR NONE	HE CENTRALI		ENT USED FO	R EACH C	ASING S	TRING			
	E TRACK AND EVERY SHOE TRACK AND EV		BEACE						
		200 1 227 10 00	THE ACE						
WAS WELL (COMPLETED A	AS SHOT HOLI	∃ □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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Farm name_Donald Hines et UX

_Well number____

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 47- 051	_ 02156		Farm	name_Donald I	lines et UX			Well r	number_	Hines M	02H
PRODUCING	FORMATIO	DN(S)	1.0	<u>DEPTHS</u>	TVD			MD			
Please insert ad	lditional pag	es as app	licable.								
GAS TEST	□ Build up	□ Drav	wdown	□ Open Flow		OIL T	EST 🗆	Flow 🗆	Pump		
SHUT-IN PRE	SSURE S	Surface _		_psi Bot	om Hole_		psi	DURAT	O NOI	F TEST	hrs
OPEN FLOW	Gas		Oil	NGL bpd		Water	•	GAS M	IEASU	RED BY □ Orific	<i></i>
LITHOLOGY/ FORMATION	TOP DEPTH IN NAME TV	FT DEF	OTTOM PTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH IN MD	۱FT DI					QUANTITYAND E, OIL, GAS, H₂S, ETC)
	0			0							
											·
	-										
						_					
Please insert ad	lditional pag	es as ann	licable								
Drilling Contra		* *									
Address 900 Vir			,	City	, Charlesto	n		State	WV	Zip 2	25301
Logging Comp	ony Baker H	lughes								Zip _	
Address 400 Te				City	Canonsb	urg		State	PA	Zip 1	5317
Cementing Cor		ervices								2.ip	
Address 1036 E				City	7 Bridgepoi	t		State	WV	Zip ²	16330
	nenting							State		2.ip	
Address	mpany			City	, +			Stata		7in	
Please insert ad	lditional pag	es as app	licable.	City				State		Zip	
Completed by	Derek Rida	wav				T	alamb:	412-395	-3120		
Signature Signature	L Ru		1/18/20	Title	Managing Di	ector of E	Drilling			1/18/2021	

WR-35 Page of Rev. 8/23/13 API 47- 051 O2156 Farm name Donald Hines et UX _Well number_Hines M02H Drilling Contractor Address City State Zip Logging Company Scientific Drilling International Address 124 Vista Drive State PA Zip 15022 City Charleroi Logging Company City Address State Zip

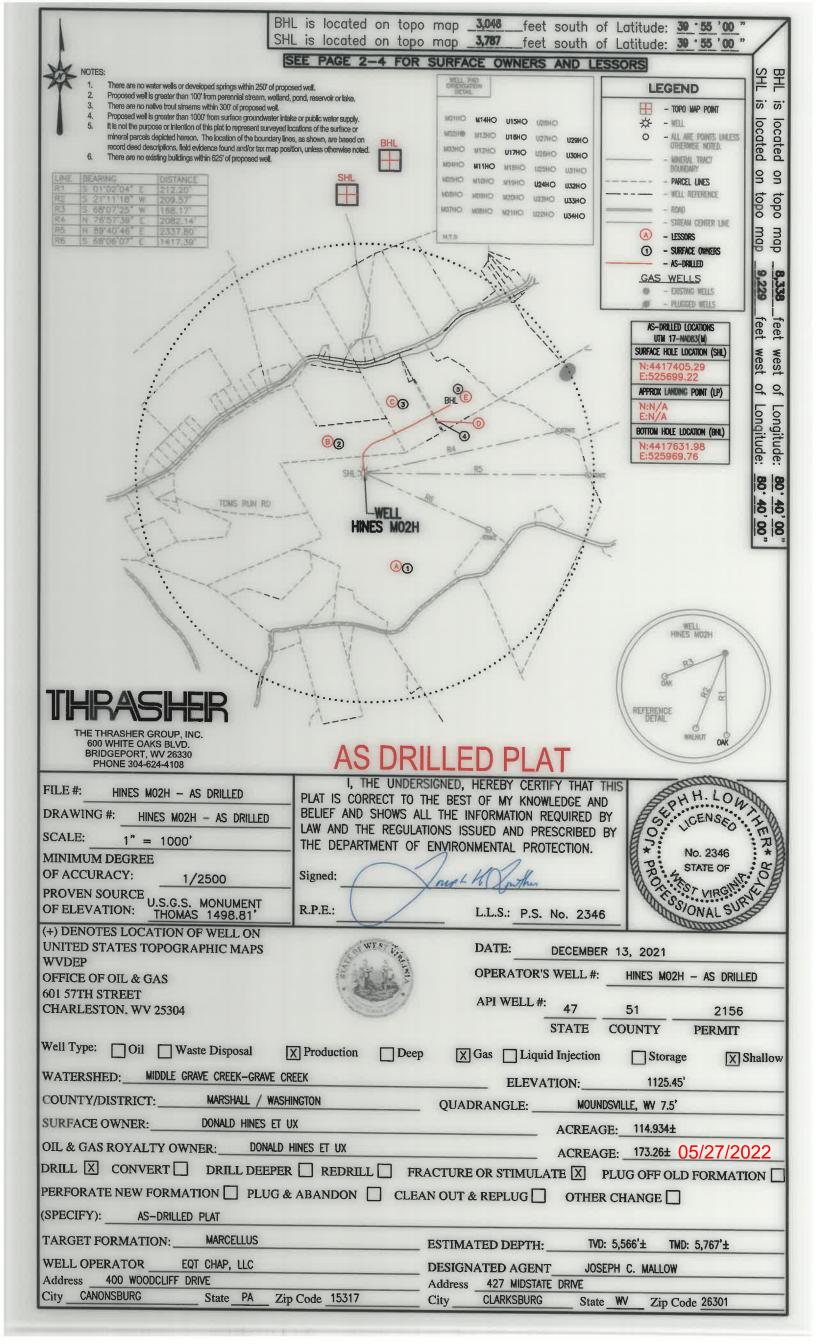
_____State Zip

City

Drilling Contractor

Address

	Well # Hines M0	2H Final Formations API	# 47-051-02156	
Formation Name		Drill Top (TVD) (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	1,827
Burgoon	1,832	1,827	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	2,442
Gordon	2,456	2,442	2,531	2,515
Sand/Shale	2,531	2,515	4,978	4,820
Elk	4,978	4,820	4,979	4,821
Sand/Shale	4,979	4,821	5,639	5,444
Rhinestreet	5,639	5,444	5,743	5,541



HINES M02H PAGE 2 OF 2

AS DRILLED PLAT

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	ARNIE N. GOODNITGHT 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

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
В	LYNN ELLEN COOK	14-12/25
	WILLIAM F. RULONG	1
	CHARLES BURTON RULONG	1
	GARY MORRISON	1
	ELIZABETH Y. MORRISON	1
	ROGER GLEN RULONG	1
	LIMESTONE PRESBYTERIAN CHURCH TRUSTEES	1
	CLYDE DOWLER ET UX	1
	DRU ELLA FOX	1
	LAURA J. REYES	1
	DALE FRANCIS FURBEE	1
	HAROLD DEAN FURBEE	1
	JOHN T. MORRIS	1
	ETHEL M. RULONG	1
	RICHARD J. RULONG	1
	ROBERT L. RULONG	1
	TERRY LEE RULONG	1
	TRACEY LYNN RULONG	1
C	EULALIA MAE SIMMONS	14-12/28.1
D	EULALIA MAE SIMMONS	14-12/27
E	EULALIA MAE SIMMONS	14-12/28

AS-DRILLED LO UTN 17-NAD	1200210
SURFACE HOLE LOC	ATION (SHL)
N:4417405 E:525699.2	
APPROX LANDING	POINT (LP)
N:N/A E:N/A	
BOTTOM HOLE LOC	ATTON (BHL)
N:4417631 E:525969.7	

05/27/2022



THE THRASHER GROUP, INC. 600 WHITE OAKS BLVD. BRIDGEPORT, WV 26330 PHONE 304-624-4108 * - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE