DATE: 5-25-17

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

API 47 - 103 - 02956 County Wetze	el Di	strict Green	
Quad Porters Falls Pad Name Man	.41	eld/Pool Name Mary	,
Farm name Martin, Charles and Gwendo		Vell Number #1H	
Operator (as registered with the OOG) Stone Energy Co	orporation		
Address 1300 Fort Pierpont Dr Suite 201 City M	lorgantown	State WV	Zip 26508
Top hole Northing 4,384,800	illed plat, profile view, and d Easting	eviation survey g 520,082	
Landing Point of Curve Northing 4,384,796		519,525	
Bottom Hole Northing 4,386,146	Easting	518,609	
n	l ■New □ Existing ontal 6A □ Vertical	Type of Report I	nterim prinal Deep Shallow
Type of Operation □ Convert □ Deepen ♠Drill	□ Plug Back □ Redrillin		Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ S	econdary Recovery Solut	ion Mining Storage	e □ Other
	duced □ Brine □Gas □		
Drilled with □ Cable ■ Rotary	duced a Billie agas (NGL DOIL DO	Other
Drilling Media Surface hole Air Mud Fresh W Production hole Air Mud Fresh Water Bri Mud Type(s) and Additive(s) Saturated salt mud which includes Caustic Soda, Ba Soda Ash, and Sodium Chloride	ne		Fresh Water □ Brine -Plex D, X-Cide 102,
42/44/2042	NAME OF THE PARTY OF		
Date permit issued12/11/2013 Date drilling com	nmenced4/11/2014	_ Date drilling cease	d9/27/2014
Date completion activities began Not Yet Completed	Date completion activitie	es ceased Not Yet	Completed
Verbal plugging (Y/N) N Date permission grante	ed	Granted by	
Please note: Operator is required to submit a plugging applic			
Freshwater depth(s) ft100	Open mine(s) (Y/N) depth	ns.	N
Salt water depth(s) ft None Reported	Void(s) encountered (Y/N		N
Coal depth(s) ft 567, 631, 707, 728, 745	Cavern(s) encountered (Y		N
Is coal being mined in area (Y/N)N			
APPROVEL	Recei Office of O	ved il & Gas	Reviewed by:
NAME: Son A HE	MAY 8	2017	06/02/201

WERE TRACERS USED □ Yes ■ No

Rev. 8/23/13											J ====
API 47- 103	02956		Farm name_	Martin, Cha	rles and	Gwen	do we	ell ni	umber_#1H		
CASING STRINGS	Hole Size	Casin Size	_	l Depth	New or Used	Grade wt/ft					circulate (Y/N)
Conductor	24"	20		90'	New		94.1 ppf	De	pui(s)		details below*
urface	17.5"	13.3	75" 915' K	B - 905' GL	New		- 54.5 ppf	12	21' & 196'		Y - CTS
oal	17.5"	13.3	75" 915' K	B - 905' GL	New		- 54.5 ppf	 	21' & 196'		Y - CTS
termediate 1	12.25"	9.62	25" 2	,221'	New		- 36 ppf		1 4 130		Y - CTS
termediate 2							ос рр.				1-015
termediate 3								_			
oduction	8.75"	5.5	5" 12	2,894'	New	P110) - 20 ppf			I TOC 6	4.4601.0.1.1.1
bing							zo ppi	- -		4 - 10C @	1,160' Calculate
cker type and d	lepth set	TAM CAP	inflatable Pac	ker on 9 625" (Casing St	ring @ 77	7.4'	L			
CEMENT	casing string. TOC o	n 5.5" calcul	ated to be @ 1,160	Slurry					_		
DATA	of Cement		of Sacks	wt (ppg)		ield ³/sks)	Volume (ft ¹)	:	Cement Top (MD)		WOC
nductor	Type 1		34	15.6	7	.18	40		Surface		(hrs) 24.0
rface	HalCem Class	"A"	650	15.6	1	.24	806		Surface		8.0
al ————————	HalCem Class	"A"	650	15.6	1	.24	806		Surface		8.0
ermediate 1	Lead-10% Salt Tail -F	ialCem Lea	d-400 Tail-400	Lead-15.6 Tail-15.	6 Lead-1.2	4 Tail-1.21	Lead-496 Tai	1-484	Surface		12.0
ermediate 2											12.0
ermediate 3											
duction	Lead-TunedSpacer3 Teil-1	VariCem Lead	d-166 Tail-2,470	Lead-14.5 Tail-15.	2 Lead-2.3	7 Tail-1.20	Lead-393 Tail-	2,964	1,160' Calcula	ated	7.0
bing								_			
eepest forma) 12,900 MD / 6,508 tion penetrated cedure	Marcellus S	hale		eggers TI						
•	(ft) <u>5.666 MD / 5.62</u> line logs run	. c	-		deviate gamma			nduc		sonic	
	Yes No		onventional	Sidewall	VCH CV				lected Ye		
duction casing had	ermediate casing had bow a I rigid spiral centralizers nd from joint 180 to join	placed on eve	ery fourth joint beginn	ing with joint 9 to join	nt 141. Ran a	total of 38 ri					
AS WELL C	COMPLETED A	S SHOT	HOLE a	Yes A No	DET	TAILS .					EIVED
AS WELL C	OMPLETED C	PEN HO	I.F? G Ve	s A No	DETA	пс			Offic	e of C	il and Ga

TYPE OF TRACER(S) USED

MAY 8 2017

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API 47- 103 _ 02956 Farm name Martin, Charles and Gwendo Well number #1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					
					A 68
					- W 8
					10 10 10 10 10 10 10 10 10 10 10 10 10 1
					The state of the s
					Other War and State
					Office Man Description of cities of the contract of the contract of the contract of the cities of th
					N. MO
					&

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.

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API 47- 103	_ 02956	Farm	_{name} Martin,	Charles and	d Gwendo	Well	number_	#1H	
PRODUCING	FORMATION((S)	DEPTHS						
Not Yet Comple	eted			TVD		1.00			
				_ 14D _		MD			
Please insert ad	lditional pages a	as applicable.				_			
GAS TEST	□ Build up t	1 Drawdown	□ Open Flow	O	IL TEST 🗆 F	Flow 1	⊐ Pump		
SHUT-IN PRE	SSURE Surf	face	_psi Botto	om Hole	psi	DURA	TION OF	TEST _	hrs
OPEN FLOW	Gas met	Oil fpd	NGL bpd	_ bpd	Water bpd	GAS N	MEASUF mated	RED BY	□ Pilot
.ITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE F	ОСК ТҮ	PE AND R	ECORD QUA	ANTITYAND
	NAME TVD 0	TVD	MD	MD	TYPE OF FL	UID (FRE	SHWATE	R, BRINE, OI	L, GAS, H ₂ S, ETC)
ee Attached Sheet	U		0			-		-	
									25
								160	D. Co
								Chinos	17 6
							8	CETTED	Department of Department of the original professional pro
							130	L O	MUSTONO!
							Ou	My	000/0/6
					-			7	Develo
								th.	10/11
								45	
lease insert add	ditional pages a	s applicable						0	
			D-W- 0 1	- Cr. 10					
0	ctor Highlands (ginia St East /930				he Woodlands	C	WW//TV	25204	1 / 77204
				onanoston /	ne woodiands	State	WVIIX	Zip 25301	1777381
	Scientific Dr						200		
ddress 124 visi	ta Drive / 1178 US	HWY 33 East	City	Charleroi / We	eston	_State	PA / WV	Zip 15022	2 / 26452
-	npany Halliburto								
ddress 121 Cha	ampion Way, Suite	110	City	Cannonsburg		State	PA	Zip 15317	
imulating Con	npany								
ddress			City			State		Zip	
ease insert add	ditional pages as	s applicable.							
ompleted by	Greg Zofchak				Telephone	304-225	-1600		
gnature	Dy zele	N	Title Dr	illing Engineer			Date 2/15	/17	
uhmittal -£II	draulic Fracturi	CI : : :		300300	ttach copy of				

Martin #1H API 47-103-02956

Stone Energy Corporation

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111	ULIZI	JIILA	

	Ton	Horizontai	Dotton (ft	0-44	
	Top (ft TVD)	Top (ft MD)	Bottom (ft TVD)	Bottom (ft MD)	
- Sandstone & Shale	Surface	*		(ft MD)	FW @ 100'
Coal	567	*	569		1 W @ 100
Sandstone & Shale	569	*			
Coal	631	*			
Sandstone & Shale	635	*			
Coal	707	*	711		
Sandstone & Shale	711	*	728		
Coal	728	*	732		
Sandstone & Shale	732	*	745		
Coal	745	*	755		
Sandstone & Shale	755	*	1,883	19 W2	None Reported
Little Lime	1,883	*	1,913		·
Big Lime	1,913	*	2,013		RECEIVED
Big Injun	2,013	*	2,113		Office of Oil and Gas
Sandstone & Shale	2,113	*	2,477		MAY 8 2017
Berea Sandstone	2,477	*	2,507		MAY 8 2017
Shale	2,507	*	2,679		WV Department of
Gordon	2,679	*	2,729	E	Environmental Protection
Undiff Devonian Shale	2,729	*	5,422	5,459	
Rhinestreet	5,422	5,459 ~	6,238	6,447	
Cashaqua	6,238	6,447 ~	6,411	6,830	
Middlesex	6,411	6,830 ~	6,441	6,881	
West River	6,441	6,881 ~	6,495	7,007	
Geneseo	6,495	7,007 ~	6,512	7,054	
Tully Limestone	6,512	7,054 ~	6,544	7,150	
Hamilton Shale	6,544	7,150 ~	6,893	7,317	
Marcellus	6,893	7,317 ~	6,508	12,900	
TD			6,508	12,900	
Trom Dilat Hala Lag and C	Nacid a selection of				

^{*} From Pilot Hole Log and Driller's Log

[~] From MWD Gamma Log