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

API 47 103 02957 County Wetzel	District Greenffice of Oil and Gas
Quad Porters Falls Pad Name Martin	Field/Pool Name Mary
Farm name Martin, Charles and Gwendo	Field/Pool Name Mary Well Number #2H MAR 1 3 2017
Operator (as registered with the OOG) Stone Energy Corpora	HIOH
Address 1300 Fort Pierpont Dr Suite 201 City Morgan	tion State WV Department of Environm Zip 26508 tection
As Drilled location NAD 83/UTM Attach an as-drilled pla Top hole Northing 4,384,794	at, profile view, and deviation survey Easting 520,082
Landing Point of Curve Northing 4.384,274	Easting 519,932
Bottom Hole Northing 4,382,933	Easting 520,743
Elevation (ft) 906 GL Type of Well New Permit Type Deviated	W □ Existing Type of Report Interim A □ Vertical Depth Type □ Deep ■ Shallow
Type of Operation □ Convert □ Deepen ▶ Drill □ Plug	g Back Redrilling Rework Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ Seconda	ry Recovery Solution Mining Storage Other
Type of Completion ■ Single □ Multiple Fluids Produced	□ Brine □Gas □ NGL □ Oil □ Other
Drilled with □ Cable ■ Rotary	Brille Gas Grote Golf Golffer
Printed with a cubic a Rotary	
Drilling Media Surface hole ■ Air □ Mud ■ Fresh Water	Intermediate hole ■ Air □ Mud ■ Fresh Water □ Brine
Production hole ■ Air ■ Mud □ Fresh Water □ Brine	
Mud Type(s) and Additive(s)	
	Lime, New-Drill, Perma-Lose HT, Xan-Plex D, X-Cide 102,
Soda Ash, and Sodium Chloride	
Date permit issued12/11/2013 Date drilling commence	ed4/18/2014 Date drilling ceased 10/8/2014
Not Vet Consoleted	ate completion activities ceased Not Yet Completed
William N	Granted by
	Granted by
Please note: Operator is required to submit a plugging application	within 5 days of verbal permission to plug
Freshwater depth(s) ft 108 Ope	en mine(s) (Y/N) depths
None Departed	an inne(s) (1714) depths
EG7 G24 707 720 745	a(s) encountered (1714) depths
cav	ern(s) encountered (Y/N) depthsN
APPROV	Reviewed by: DM 1+
DATE: 5-25-12	06/02/201
DAIE. 5-25-17	

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API 47- 103	_ 02957		Farm name_N	lartin, Charle	es and Gw	endo	Well nu	mber_#2H	l	
CASING STRINGS	Hole	Cas	sing	Ne	w or G	rade	Bas	sket	Did cen	nent circulate (Y/N)
Conductor	Size	Siz				vt/ft LS - 94.1 ppt		oth(s)	+ Provi	de details below* N - GTS
Surface	17.5"					J55 - 54.5 pp		0' & 202'		Y - CTS
Coal	17.5"					J55 - 54.5 pp	-	0' & 202'		Y - CTS
Intermediate 1	12.25"					J55 - 36 ppf		0 0 202		Y-CTS
Intermediate 2	12.20		2,.	202	1017	000 - 00 рр г				1-013
Intermediate 3						-	_			
Production	8.75"		5.5" 12	,802' N	lew F	P110 - 20 pp	,		N - TO	C @ 1,160' Calculated
Tubing	00		0.0	,502	1017	110 - 20 pp	' 		111-10	J W 1,100 Calculated
Packer type and d	epth set	TAM C	AP Inflatable Pack	er on 9 625" C:	esina Strina (<u> </u>	
Comment Details surface on the 5.5"			to surface on 13.375" calculated to be @ 1,160'.	asing string. Circula	ited 30 bbls cem	ent to surface o	n the 9.62	5" casing string.	Did not c	irculate any cement to
CEMENT	Class/Type		Number	Slurry	Yield	Vol	ume	Cemer		WOC
DATA Conductor	of Cement	1	of Sacks	wt (ppg)	(ft ³/sks)	1	1)	Top (M		(hrs)
Surface	Type 1	7A H	670	15.6	1.18		10	Surfac		24.0
Coal	HalCem Class		670	15.6	1.24	831		Surfac		8.0
Intermediate 1	HalCem Class		670	15.6	1.24		31	Surface		8.0
Intermediate 2	Lead-10% Sait Tail-H	aicem L	.ead-400 Tail-400	Lead-15.6 Tail-15.6	Lead-1.24 Tail	Tail-1.21 Lead-496 Tail-484		Surface		12.0
Intermediate 3										 -
Production	Lead-TunedSpacer3 Tail-V	(i0 1	and 466 Tall 2 470	1 44 5 7-3 45 0	L 4 O O 7 T - 1	14.00 4 4.000	T " 0 001	1,160' Cald		7.0
Tubing	Lead-TunedSpacer3 Tan-	anceni L	.ead-166 Tail-2,470	Leau-14.5 18#-15.2	Lead-2.37 Tall	1-1.20 Lead-393	Tall-2,964	1, 100 Calc	Julated	7.0
	12,805 MD / 6,679 tion penetrated cedure		us Shale		ggers TD (ft g back to (ft					
Kick off depth	(ft) 5,696 MD / 5,66	0 TVD								
Check all wireline logs run □ caliper □ density ■ deviated/directional □ induction □ neutron □ resistivity ■ gamma ray □ temperature □ sonic								:		
Well cored	Yes 🖪 No		Conventional	Sidewall		Were cutt	ings co	llected =	Yes 🗆	No No
points 3, 6, 9, 12, 15, 18 a Production casing had	nd 20. Intermediate casing I	placed or		ts 4, 8, 12, 16, 20, 24, 28,	32 and 35.					ntralizers placed on from joint 175 to joint 259
		, 20,44416	//					······································		
WAS WELL (COMPLETED A	AS SHO	OT HOLE	Yes 🛔 No	DETAI	LS				
WAS WELL O	COMPLETED (OPEN I	HOLE? DYe	s 🖪 No	DETAILS					

WERE TRACERS USED □ Yes ■ No TYPE OF TRACER(S) USED _____

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API 47- 10	02957	Farm name Martin, Charles and Gwendo	Well number_#2H
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
<u> </u>					
	-				
	<u> </u>				

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				onanes a	and Gwendo	Well n	umber <u>#2</u>	П	
PRODUCING		<u>S)</u> .	<u>DEPTHS</u>						
Not Yet Comple	ted			_ TVD		MD			
				_	-				
				_		_			
Please insert ad	ditional pages a	as applicable.			-	_			
GAS TEST	□ Build up □	Drawdown	□ Open Flow		OIL TEST 🗆 I	Flow 🗆	Pump		
SHUT-IN PRE	SSURE Surf	ace	_psi Botto	m Hole	psi	DURAT	TON OF T	TEST	hrs
OPEN FLOW	Gas met	Oil pd	NGL bpd		Water GAS MEASURED bpd □ Estimated □ Or			Pilot	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN MD	FT DESCRIBE I				NTITYAND , GAS, H₂S, ETC)
	0		0			2011	ALL TETRE		
See Attached Sheet									
			-						
Please insert ad	ditional pages a	e appliachla							
	, .								
Drilling Contra	ctor Highlands (ginia St East /93				a / The Weedlende		MAZZTV .	DE201	/ 77204
Address 900 VII	girila St East 193	US NEW Trails Dr	City	Charleston	n / The Woodlands	_ State	WV/TX	Zip 25501	777361
Logging Compa			ımberger						
Address 124 Vis	ta Drive / 1178 US	S HWY 33 East	City	Charleroi	Weston	State	PA/WV	Zip 15022	/ 26452
Cementing Con	npany Halliburto	on							
Address 121 Ch			City	Cannonsb	urg	State	PA 2	Zip 15317	
Stimulating Co.	mnany								
Address	inpany		City			State		Zip	
Please insert ad	ditional pages a	s applicable.	city	-				P	
Commission 1	Grea Zofchak				Tr. 1	304 225	1600		
Completed by Signature	The 3/	d	Title D	rilling Engine	Telephone		Date 2/15/	17	
/	12/ 11/		IIIC	3					
Submittal of Hy	draulic Fractur	ing Chemical I	Disclosure Info	rmation	Attach copy of	f FRACF	OCUS Re	gistry	

Martin #2H API 47-103-02957

Stone Energy Corporation

		Horizontal			Dathaus
	Top (ft TVD)	Top (ft MD)		Bottom (ft TVD)	Bottom (ft MD)
Sandstone & Shale	Surface	(it itib)	*	567	FW @ 108'
Coal	567		*	569	_
Sandstone & Shale	569		*	631	
Coal	631		*	635	
Sandstone & Shale	635		*	707	
Coal	707		*	711	
Sandstone & Shale	711		*	728	
Coal	728		*	732	
Sandstone & Shale	732		*	745	
Coal	745		*	755	
Sandstone & Shale	755		*	1,883	SW @ None Reported
Little Lime	1,883		*	1,913	
Big Lime	1,913		*	2,013	
Big Injun	2,013		*	2,113	
Sandstone & Shale	2,113		*	2,477	
Berea Sandstone	2,477		*	2,507	
Shale	2,507		*	2,679	
Gordon	2,679		*	2,729	
Undiff Devonian Shale	2,729		*	5,569	5,604
Rhinestreet	5,569	5,604	~	6,145	6,234
Cashaqua	6,145	6,234	~	6,418	6,684
Middlesex	6,418	6,684	~	6,450	6,750
West River	6,450	6,750	~	6,512	6,899
Geneseo	6,512	6,899	~	6,526	6,934
Tully Limestone	6,526	6,934	~	6,560	7,032
Hamilton Shale	6,560	7,032	~	6,617	7,304
Marcellus	6,617	7,304	~	6,679	12,805
TD				6,679	12,805

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

[~] From MWD Gamma Log