06/02/2017

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

API 47 103 027	793 County Wetz	el	District Magnolia			
Quad New Martinsville	Pad Name Sm	Field/Pool Name Mary				
Farm name Smith, Sonny a	nd Charlotte		Well Number #2H			
Operator (as registered with the	ne OOG) Stone Energy C	orporation				
Address 1300 Fort Pierpor	nt Dr Suite 201 City N	Morgantown	State WV	Zip <u>26508</u>		
As Drilled location NAD 8.  Top ho	le Northing 4,388,536	illed plat, profile vie	ew, and deviation survey Easting 516,226			
Landing Point of Cur	rve Northing 4,388,073		Easting 516,144			
Bottom Ho	ole Northing 4,386,785		Easting 516,901			
Elevation (ft) 1,321	_ GL Type of We	Il ■New □ Existir	ng Type of Report	nterim to Final		
Permit Type   Deviated	□ Horizontal ■ Horiz	zontal 6A 🗆 Vert	ical Depth Type	Deep B Shallow		
Type of Operation □ Conver	t 🗆 Deepen 🏿 Drill	□ Plug Back □	Redrilling   Rework	Stimulate		
Well Type ☐ Brine Disposal	□ CBM ■ Gas □ Oil □	Secondary Recovery	☐ Solution Mining ☐ Storag	e 🗆 Other		
Type of Completion   Singl	e □ Multiple Fluids Pro	oduced 🗆 Brine	□Gas □ NGL □ Oil □ 0	Other		
Drilled with □ Cable ■ R	totary					
Drilling Media Surface hole	e ■ Air □ Mud ■Fresh	Water Interme	ediate hole Air 🗆 Mud	Fresh Water   Brine		
Production hole Air						
Mud Type(s) and Additive(s)						
		Barite, Lime, New	-Drill, Perma-Lose HT, Xar	n-Plex D, X-Cide 102		
Soda Ash, and Sodium (						
Date permit issued 10/12/12	8 5/7/14 Data deilling	ommenced 10/31	1/2013 Date drilling ceas	red 7/11/2014		
	M-1 M-1 0I-1-	d D. L.	on activities ceased Not Yet	cu		
Date completion activities be						
Verbal plugging (Y/N)	Date permission gra	nted	Granted by			
Please note: Operator is requ	ired to submit a plugging and	alication within 5 day	ys of verbal permission to plug	NEW ASSESSED.		
Trease note. Operator is requ	ned to submit a pragging app	meation within 5 day	Office of	Oilordo		
Erashwatar danth(s) ft	100	Open mine(s) (	V/N) denths	Oil and Gas		
Freshwater depth(s) ft Salt water depth(s) ft	2,202		tered (Y/N) depths	1 3 2017		
Coal depth(s) ft	1,105		untered (Y/N) depths // Doo	N		
Is coal being mined in area (Y	(/N) N	AND SERVICE AND REAL PROPERTY.	the track of the last of the l	artment of		
	ADDL		- Wilding!	tal Protestion		
				Dr H		
	NAME: Se-	m Au		06/02/20		

DATE: 5-25-17

Rev. 8/23/13										
API 47- 103	- 02793	Farm	name_S	mith, Sonny	and Charlot	tew	ell nu	mber_#2F	1	
CASING STRINGS	Hole Size	Casing Size	D		w or Grad sed wt/f		Bas Dep			nent circulate (Y/N) de details below*
Conductor	24"	20"				- 94.1 ppf				N - GTS
Surface	17.5"	13.375"	1,	312' N	ew J55 - 54.5 ppf		110	6' & 196'		Y - CTS
Coal	17.5"	13.375"	1,	312' N	lew J55	- 54.5 ppf	110	6' & 196'		Y - CTS
Intermediate 1	12.25"	9.625"	2,	582' N	lew J5	5 - 36 ppf				Y - CTS
Intermediate 2		_								
Intermediate 3										
Production	8.75"	5.5"	12	,444' N	lew P11	0 - 20 ppf		-	N - TO	C @ 1,500' Calculated
Tubing							_			
Packer type and de	epth set	TAM CAP Inflat	able Paci	ker on the 9.625	" casing @ 1,18	3'				
Comment Details the surface on the 5	Circulated 36 bbls co.5" casing string. TOC			sing string. Circulate	ed 26 bbls cement to	surface on the	9.625*	casing string. C	Circulated r	no cement cement to
CEMENT DATA	Class/Type of Cement	Nun of S		Slurry wt (ppg)	Yield ( ft <sup>3</sup> /sks)	Volum (ft. <sup>2</sup> )	e	Cemer Top (M		WOC (hrs)
Conductor	Type 1	3		15.6	1.18	40		Surface		24.0
Surface	Class "A"	95	57	15.6	1.19	1,139	9 Surfa		се	8.0
Coal	Class "A"	95	57	15.6	1.19	1,139	1,139		се	8.0
Intermediate 1	Lead-Flex Seal Tail-Cla	ss "A" Lead-560	Tail-329	Lead-15.4 Tail 15.6	Lead-1.28 Tail-1.	8 Tail-1.19 Lead-717 Tail-		ail-392 Surface		12.0
Intermediate 2										
Intermediate 3	-		_							
Production	Lead-TunedSpacer3 Va	riCem Lead-178	Lead-178 Tail-2,310 Lea		Lead-2.37 Tail-1.	.37 Tail-1.20 Lead-422 Tail		1,500' Calculated		7.0
Tubing										
•	) 12.474 MD / 6,897 tion penetrated cedure				ggers TD (ft) <u>t</u> g back to (ft) <u></u>					
Kick off depth	(ft) 6,029 MD / 5,996	0' TVD								
Check all wire	line logs run	□ calipe			deviated/direction			etion perature	□soni	c
Well cored	Yes 🖪 No	Conve	ntional	Sidewall		Were cuttin	gs co	llected <b>=</b>	Yes	□ No
	HE CENTRALI				CH CASING	STRING _	Surface	a casing had bo	w spring c	entralizers placed on
				ning with joint 1 to join	t 144. Ran a total of	38 rigid spiral cent	tralizers	. Ran bow spring	g centralize	rs from joint 154 to joint 283
on every third joint. A	A total of 44 bow spring of	centralizers were run	<u>.                                      </u>							
WAS WELL	COMPLETED A	AS SHOT HO	LE 0	Yes 🖪 No	DETAILS	S				
WAS WELL	COMPLETED C	OPEN HOLE	? 🗆 Y	es 4 No	DETAILS					
WERE TRAC	ERS USED	Yes ■ No	TY	PE OF TRAC	ER(S) USED					

API 47- 103 \_ 02793 Farm name Smith, Sonny and Charlotte

\_\_\_Well number\_#2H

#### 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)
		,						
-					<del> </del>			
-					<del> </del>			
							i	
					<u>-</u>			
							_	

Please insert additional pages as applicable.

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API 47- 103	02793	Farm	<sub>name</sub> Smith,	Sonny a	nd Charlotte	Well n	umber_#2	2H	
PRODUCING F	FORMATION(	<u>S)</u>	DEPTHS						
Not Yet Completed				TVD		MD			
Please insert add	ditional pages a	s applicable.			-	_			
GAS TEST	□ Build up □	Drawdown	□ Open Flow	,	OIL TEST [	Flow 🗆	Pump		
SHUT-IN PRES	SSURE Surf	ace	_psi Bot	tom Hole_	psi	DURAT	TON OF	TEST _	hrs
OPEN FLOW	Gas mcf	Oil pd	NGL bpd		Water bpd		IEASURE nated □		e □ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH I	IN FT DESCRIBI				UANTITYAND OIL, GAS, H <sub>2</sub> S, ETC)
	0		0						
See Attached Sheet									
									-
Please insert ad	ditional pages a	as applicable.							
Drilling Contra			n Drilling (horize	ontal)					
Address 2034 M				y Mount N	Morris / The Woodla	ands State	PA / TX	Zip <u>25</u>	312 / 77381
Logging Compa	any Scientific D	rilling and Schl	umberger						
Address 124 Vis	sta Drive / 1178 US	S HWY 33 East	Cit	y Charler	oi / Weston	State	PA / WV	Zip 15	5022 / 26452
Cementing Con	nnany Schlumb	erger							
Address 1178 U	S HWY 33 East		Cit	y Weston	_	State	WV	Zip 26	3452
Stimulating Car									
Stimulating Con Address	трапу		Cit	V		State		Zip _	
Please insert ad	ditional pages	as applicable.							
0 1 1 1 1	Grea Zofobak	74			Talant	ne 304-225	-1600		
Completed by Signature	Day Zoichak	MI	Title	Drilling Eng		ne_504-225	Date 2/14	/17	
	11/								
Submittal of Hy	draulic Fractu	ring Chemical	Disclosure In	formation	Attach conv	of FRACE	OCUS R	egistry	

# Smith #2H API 47-103-02793 Stone Energy Corporation

## Horizontal

	Тор	Top		Bottom (ft	Bottom	
	(ft TVD)	(ft MD)		TVD)	(ft MD)	
Sandstone & Shale	Surface		*	1,105		FW @ 100
Coal	1,105		*	1,107		
Sandstone & Shale	1,107		*	2,163		
Little Lime	2,163		*	2,193		
Big Lime	2,193		*	2,293		SW @ 2,202
Big Injun	2,293		*	2,393		
Sandstone & Shale	2,393		*	2,762		
Berea Sandstone	2,762		*	2,795		
Shale	2,795		*	2,986		
Gordon	2,983		*	3,033		
Undiff Devonian Shale	3,033		*	5,875	5,912	
Rhinestreet	5,875	5,912	~	6,506	6,625	
Cashaqua	6,506	6,625	~	6,653	6,877	
Middlesex	6,653	6,877	~	6,674	6,902	
West River	6,674	6,902	~	6,733	7,050	
Geneseo	6,733	7,050	~	6,749	7,094	
<b>Tully Limestone</b>	6,749	7,094	~	6,791	7,218	
Hamilton Shale	6,791	7,218	~	6,834	7,374	
Marcellus	6,834	7,374	~	6,897	12,474	
TD				6,897	12,474	

<sup>\*</sup> From Pilot Hole Log and Driller's Log

<sup>~</sup> From MWD Gamma Log