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 _ 029	County Wetz	zel	District Magnolia	
Quad New Martinsville	Pad Name Sr		Field/Pool Name	
Farm name Smith, Sonny a	nd Charlotte		Well Number #8	
Operator (as registered with th	e OOG) Stone Energy	Corporation		
Address 1300 Fort Pierpor	nt Dr Suite 201 City	Morgantown	State WV	Zip 26508
As Drilled location NAD 83		Irilled plat, profile view,		
Top ho			Easting 516,232	
Landing Point of Cur			Easting 516,780	
Bottom Ho	le Northing 4,386,993		Easting 517,565	
Elevation (ft) 1,321		ell ■New □ Existing		t Unterim AFinal
Permit Type Deviated	□ Horizontal ▮ Hor	rizontal 6A Vertica	al Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert	t □ Deepen 🀞 Drill	□ Plug Back □ R	edrilling Rework	Stimulate
Well Type ☐ Brine Disposal	□ CBM	Secondary Recovery	□ Solution Mining □ S	Storage 🗆 Other
Type of Completion Single	e □ Multiple Fluids Pr	roduced Brine	Gas □ NGL □ Oil	□ Other
	otary			
	,			
Drilling Media Surface hole	■ Air □ Mud ■Fresh	Water Intermedia	ate hole ■ Air □ Mu	d ■ Fresh Water □ Brine
Production hole ■ Air ■ N				
Mud Type(s) and Additive(s)				
Saturated salt mud which	includes Caustic Soda.	Barite, Lime, New-D	rill. Perma-Lose HT	. Xan-Plex D. X-Cide 102
Soda Ash, and Sodium C		Dante, Line, Hen B	Tim, i orinia 2000 i i i	, , , , , , , , , , , , , , , , , , , ,
Date permit issued7/31/3	2013 Date drilling c	ommenced12/3/20	Date drilling	g ceased 8/18/2014
Date completion activities beg	NI=4 V/=4 O = === 1=4=	ed Date completion	activities ceased No	t Yet Completed
	9	anted	0 11	SIGHT
verbai piugging (1714)	Date permission gra		Granted by	and Gas
	rain Blainean Inc.	10-10-10-10-10-10-10-10-10-10-10-10-10-1	Office of O	il and Gas
Please note: Operator is requi	red to submit a plugging ap	pplication within 5 days	of verbal permission to	plug ₂₀₁₇
Frankrichten deuth(e), A	100	0	MAN	artintent of
Freshwater depth(s) ft	2,213	Open mine(s) (Y/I	11/11/21	parimental Projection
Salt water depth(s) ft	1,018	Void(s) encounter	TITE OF THE	Nitre .
Coal depth(s) ft		Cavern(s) encount	ered (Y/N) depths	N
Is coal being mined in area (Y	(N) A D D L	ROWE		Reviewed by:

NAME: Senn Ke

DATE: 5-25-17

Rev. 8/23/13													
API 47- 103	02909		_ Farm name_	Smith, Sc	nny	and C	harlotte)We	ll nu	mber_#8H	<u> </u>		
CASING STRINGS	Hole Size		asing ize	Depth	Nev Us	v or sed	Grade wt/ft		Bas Dep			nent circulate (Y/N) de details below*	
Conductor	24"		20"	85'	N	lew	LS -	94 ppf				N - GTS	
Surface	17.5"	1	3.375" 1	,300'	N	lew	J55 -	54.4 ppf	12:	122' & 201'		Y-CTS	
Coal	17.5"	1	13.375" 1	,300'	N	lew	J55 -	54.4 ppf	12:	2' & 201'	Y - CTS		
Intermediate 1	12.25"	,	9.625" 2	,555'	N	lew	J55 -	36 ppf				Y-CTS	
Intermediate 2													
Intermediate 3										_			
Production	8.75"		5.5" 1	3,138'	N	lew	P110	- 20 ppf			N - TO	C @ 1,452' Calculated	
Tubing				İ									
Packer type and de	epth set	TAM	CAP Inflatable Pac	ker Set on	the 9.	625" Ca	asing Strin	g @ 1,067	<u>'. </u>				
CEMENT	asing string. TOC or	n 5.5" ca	to surface on 13.375° of to surface to @ 1,452'. Number	asing string. C		Y	ield	Volume		Cemer	nt	was circulated to the	
DATA Conductor	of Cement		of Sacks	wt (pp			(ft ²)			Top (MD)		(hrs)	
Surface	1ypc 1 54		15.6		 	.18	40		Surface		24.0		
Coal	Class "A" 1,006 15.6			-	1.19 1,197 1.19 1,197			Surface Surface		8.0 8.0			
Intermediate I	-			15.6 Lead-15.4 Ta		 					•		
Intermediate 2	Lead-1078 Gait TBIPC	1033 A	Lead-510 Tall-558	, 1000-10.4 10	10.0	L000-1.2	.O TAII-1.13			Ouriac	,6	12.0	
Intermediate 3										· · · · · · · · · · · · · · · · · · ·		-	
Production	Lead-TunedSpacer3 Tail	VariCem	Lead-178 Tail-2,460) Lead- 14.5 Ta	ail-15.2	Lead-23	7 Tail-1 20	Lead-422 Tail	-2.952	1,452 Cald	culated	7.0	
Tubing													
Drillers TD (ft Deepest forma Plug back pro	tion penetrated		illus Shale		_	_	D (ft) <u>N/A</u> to (ft)						
Kick off depth	(ft) 5,603 MD / 5,5	88' TVD)								;* &v		
Check all wire	line logs run		•	density resistivity		deviate gamma	ed/directi ı ray			ction perature	□soni	c	
Well cored	Yes 🖪 No		Conventional	Sidev	vall		W	ere cutting	gs co	llected =	Yes c	□ No	
			PLACEMENT bow spring centralizers placed								w spring ce	entralizers placed on	
	d rigid spiral centralize A total of 7 bow sprin			nning with joint	to joint	244. Ran	a total of 62 r	igid spiral centr	alizers.	Ran bow spring	centralizer	s from joint 252 to joint 300	
On every eight joint.	A total of 7 bow sprill	y Centran	zers were run.										
WAS WELL (COMPLETED	AS SI	HOT HOLE	Yes 🛔	No	DE	TAILS						
WAS WELL (COMPLETED	OPEN	N HOLE?	es 🖪 No)	DETA	AILS _						
WERE TRAC	ERS USED 1	Yes	■ No TY	PE OF T	RACE	ER(S) U	JSED _						

A PI 47- 103 - 02909 Farm name Strikth, Softiny and Shahoke Well number "Strike"	_{API 47-} 103 ₋ 02909	Farm name Smith, Sonny and Charlotte	Well number #8H	
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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>				

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.

WR-35 Rev. 8/23/13							rage or
API 47- 103	_ 02909	Farm	_{name} Smith, S	onny and (Charlotte	Well number_#8H	
PRODUCING I	FORMATION(<u>S)</u> _	<u>DEPTHS</u>				
Not Yet Comple	ted			_TVD _		MD	
				_		_	
Please insert ad	ditional pages a	s applicable.				_	
GAS TEST	□ Build up □	Drawdown	□ Open Flow	0	IL TEST 🗆 1	Flow 🗆 Pump	
SHUT-IN PRE	SSURE Surf	ace	_psi Botto	m Hole	psi	DURATION OF TEST	hrs
OPEN FLOW	Gas mcf	Oil pd	NGL bpd	bpd		GAS MEASURED BY	ee □ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD		ROCK TYPE AND RECORD LUID (FRESHWATER, BRINE	
See Attached Sheet	0		0				
		2					
					-		
Please insert ad	ditional pages a	s applicable.					
	ctor Nomac (top lartins Branch Rd /				/ The Woodlan	ds State PA/TX Zip 2	5312 / 77381
Logging Comp	any Scientific Di	rilling and Schlu	ımberger				
	sta Drive / 1178 US		City	Charleroi / W	eston e	StatePA / WV _Zip _1	5022 / 26452
Cementing Con	npany Schlumb	erger					
Address 1178 U			City	Weston		State _WV Zip _2	6452
Stimulating Co.	mpany						
Address			City			State Zip _	
Please insert ad	ditional pages a	s applicable.					
Completed by	Greg Zofchak				Telephone	304-225-1600	
Signature	Dy 30	M	Title D	rilling Engineer		Date 2/14/17	
Submittal of Hy	draulic Fractur	ing Chemical I	Disclosure Info	mation .	Attach copy o	f FRACFOCUS Registry	

Smith #8H API 47-103-02909 Stone Energy Corporation

Horizontal **Bottom** Bottom (ft Top Top (ft MD) (ft TVD) (ft MD) TVD) FW @ 100 1,018 Sandstone & Shale Surface Coal 1,018 1,021 2,163 Sandstone & Shale 1,021 2,193 Little Lime 2,163 2,293 SW @ 2,213 **Big Lime** 2,193 2,393 Big Injun 2,293 2,762 Sandstone & Shale 2,393 2,795 Berea Sandstone 2,762 2,986 Shale 2,795 3,033 Gordon 2,983 5,871 5,891 **Undiff Devonian Shale** 3,033 6,480 6,758 5,871 5,891 Rhinestreet 7,106 6,758 6,668 6,480 Cashaqua 7,147 6,668 7,106 ~ 6,694 Middlesex 6,755 7,298 6,694 7,147 ~ **West River** 7,298 ~ 6,770 7,334 6,755 Geneseo 6,770 7,459 7,334 6,815 **Tully Limestone** 7,459 ~ 7,641 6,863 **Hamilton Shale** 6,815 6,895 Marcellus 6,863 7,641 ~ 13,139 6,895 13,139 TD

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

[~] From MWD Gamma Log