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

API 47. 103 . 0279	1 County Wetzel	Distr	_{rict} Magnolia	
Quad New Martinsville	Pad Name Smith		/Pool Name Mary	
Farm name Smith, Sonny and			I Number #7H	
Operator (as registered with the	OOG) Stone Energy Cor	poration		
Address 1300 Fort Pierpont	Dr Suite 201 City Mo	rgantown	State WV	Zip 26508
As Drilled location NAD 83/ Top hole		ed plat, profile view, and dev Easting		
Landing Point of Curv		Easting	516,246	
Bottom Hole	Northing 4,389,618	Easting 4	515,822	
Elevation (ft) 1,321 Permit Type □ Deviated	GL Type of Well □ Horizontal ■ Horizor		Type of Report	nterim of inal Deep I Shallow
Type of Operation	🗆 Deepen 🌘 Drill 🗆	Plug Back 🛛 🗆 Redrilling	🗆 Rework 🛛 🏹	Stimulate
Well Type 🗆 Brine Disposal 🗆	□ CBM ■ Gas □ Oil □ Sec	condary Recovery 🛛 Solution	on Mining 🗆 Storag	e 🗆 Other
Type of Completion Single	Multiple Fluids Produ	ced Brine Gas	NGL ⊐Oil □C	Other
Drilled with Cable Rot				
Drilling Media Surface hole Production hole Air Mo Mud Type(s) and Additive(s) Saturated salt mud which in	ud 🗆 Fresh Water 🗆 Brind	e	REGEIVE	
Soda Ash, and Sodium Ch			Juice of on the	
			MAR 1 3 20	1/
Date permit issued 10/12/2		nenced 12/12/2013	Date drilling cease	8/25/2014
Date completion activities bega	n Not Yet Completed	Date completion activities	s ceased Not Yet	Completed
Verbal plugging (Y/N) N	Date permission grante	dE	Pranted by	1010
Please note: Operator is require	d to submit a plugging applic	ation within 5 days of verbal	permission to plug	
Freshwater depth(s) ft	100	Open mine(s) (Y/N) depth:	S	N
Salt water depth(s) ft	1,733	Void(s) encountered (Y/N)		N
Coal depth(s) ft	1,017	Cavern(s) encountered (Y/		Ν
Is coal being mined in area (Y/h	D N			
	V		PRC	

NAME: Derek Haughtog/15/2017 DATE: 7/17/2017

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API 47- 103 - 02791		Farm	<u>H</u>				
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24"	20*	90'	New	LS - 94 ppf		N - GTS
Surface	17.5"	13.375"	1,316 KB - 1,301' GL	New	J55 - 54.5 ppf	120' & 201'	Y - CTS
Coal	17.5"	13.375"	1,316 KB - 1,301' GL	New	J55 - 54.5 ppf	120' & 201'	Y - CTS
Intermediate I	12.25"	9.625"	2,548'	New	J55 - 36 ppf		Y - CTS
Intermediate 2					·		
Intermediate 3							
Production	8.75"	5.5"	10,028'	New	P110 - 20 ppf		N - TOC @ 1,643' Calculated
Tubing		1			·		
Packer type and de	epth set	TAM CAP Inflat	able Packer set on	lhe 9.625" C	asing String @ 1,021	ľ.	

Comment Details ______ Circulated 30 bbis cement to surface on 13.375" casing string. Circulated 20 bbis cement to surface on the 9.625" casing string. Did not circulate any cement to the surface on the 5.5" casing string. TOC on 5.5" calculates to be @ 1,643".

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³/sks)	Volume (ft. ¹ .)	Cement Top (MD)	WOC (hrs)
Conductor	Туре 1	34	15.6	1.18	40	Surface	24.0
Surface	Class "A"	1,010	15.6	1.19	1,202	Surface	8.0
Coal	Class "A"	1,010	15.6	1.19	1,202	Surface	8.0
Intermediate I	Load-10% Saft Tail-Class "A"	Lead-512 Tail-320	Lead-15.4 Tail 15.6	Lead-1.28 Tail-1.19	Lead-655 Tail-381	Surface	12.0
Intermediate 2							
Intermediate 3							
Production	Lead-TunedSpacer3 Tel-VariCem	Lead-178 Tail-1,765	Lead- 14.5 Tel-15.2	Lead-2.37 Tail-1.20	Load-422 Tai-2,118	1,643 Calculated	7.0
Tubing							

Drillers TD (ft) 10.047 MD / 6,738 TVD

Deepest formation penetrated Marcellus Shale
Plug back procedure

Loggers TD (ft) <u>NA</u> Plug back to (ft)

Kick off depth (ft) 6,167 MD / 6,128' TVD

Check all wireline logs run	caliper neutron	 density resistivity 	 deviated/directional gamma ray 	□ induction □ temperature	⊐sonic

Well cored 🗆 Yes 🛢 No Conventional Sidewall Were cuttings collected 🖷 Yes 🗆 No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING joints 1, 4, 6, 12, 10, 20 and 24. Intermediate casing had bow spring contratizons placed on joints 2, 5, 8, 11, 14, 17, 20, 23, 28, 32, 33, 38, 41, 44, 47, 50, 53, 56 and 59.

Production casing had rigid spiral cantralizers placed on every fourth joint beginning with joint 1 to joint 172. Ran a total of 44 rigid spiral centralizers. Ran bow spring contralizers from joint 180 to joint 228 on every eighth joint. A total of 7 bow spring centralizers were run.

WERE TRACERS USED 🗆 Yes 🛢 No 👘 TYPE OF TRACER(S) USED _____

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API 47- 103 _ 02791

Farm name_Smith, Sonny and Charlotte Well n

PERFORATION RECORD

Weil number_#7H

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)
			· · · · · · · · · · · · · · · · · · ·					
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Please insert additional pages as applicable.

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API 47- 103	02791	Farm	name_Sm	ith, S	onny an	d Cł	narlotte	_Well r	number #7	7H	
PRODUCING F		<u>S)</u>	DEPTHS		_TVD	_		_MD			
					_	-		_			
Please insert add	ditional pages a	as applicable.			-	-					
GAS TEST	🗆 Build up 🗆	Drawdown	🗆 Open I	Flow		OII	TEST D Flo	ow 🗆	Pump		
HUT-IN PRES	SSURE Surf	ace	psi	Botto	m Hole		psi	DURAT	TION OF	TES	T hrs
OPEN FLOW		Oil îpd	N		bpd	Wa	ater bpd	GAS M □ Estin	IEASURI nated □	ED E Orit	EY ñce □ Pilot
.ITHOLOGY/ ORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOF DEPTH I MD	IN FT	BOTTO DEPTH IN MD						D QUANTITYAND NE, OIL, GAS, H₂S, ETC)
	0	TVD	0		MID		HIE OF HU	ii) (FKE	SHWAILK	, DIAL	(E, OIL, 043, 1123, ETC)
ee Attached Sheet										_	
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	ditional pages a										
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	artins Branch Rd /			City	WOULT WO	1115 /	The woodands	State		Zip	25312 / 77381
ogging Compa	any Scientific D	rilling and Schl	umberger	0.	Charlerai	114/00	100				15022 / 26452
	ta Drive / 1178 US			City	Charleroi	/ vves	aon	State	1.47.00	Zip	15022 / 26452
Cementing Com Address 1178 US	npany Schlumb	erger		0.	Weston			C	WAY	7.	26452
ddress 1178 0	S HWY 33 East			City	Weston			State		Zip	20432
timulating Cor	mpany			~		_					
ddress lease insert add	ditional pages a	as applicable		City				State		Zip	
								04 005	1000		
Completed by	Greg Zofchak	1	T	the D	rilling Engine	eer	Telephone 3		-1600 Date 2/14	/17	
Signature	py pro		II	ne _	ang Englin				Date		

API 47-103-02791												
Stone Energy Corporation												
Horizontal												
	Тор	Тор		Bottom (ft	Bottom							
	(ft TVD)	(ft MD)										
Sandstone & Shale	Surface		*	1,017		FW @ 100						
Coal	1,017		*	1,019								
Sandstone & Shale	1,019		*	2,163		SW @1,733						
Little Lime	2,163		*	2,193								
Big Lime	2,193		*	2,293								
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		*	5,757	5,788							
Rhinestreet	5,757	5,788	~	6,436	6,571							
Cashaqua	6,436	6,571	~	6,628	6,781							
Middlesex	6,628	6,781	~	6,647	6,810							
West River	6,647	6,810	~	6,699	6,906							
Geneseo	6,699	6,906	~	6,714	6,938							
Tully Limestone	6,714	6,938	~	6,747	7,030							
Hamilton Shale	6,749	7,030	~	6,784	7,166							
Marcellus	6,784	7,166	~	6,736	10,047							
TD				6,736	10,047							
Frank Ottak Hala Law and	Duillaula La a											

Smith #7H

* From Pilot Hole Log and Driller's Log

~ From MWD Gamma Log

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