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

API 47 103 02	2911 County Wet	tzel	District Magnolia	
Quad New Martinsville	Pad Name B		Field/Pool Name Mary	<i>y</i>
Farm name Lemons, Gary			Well Number #2H	
	the OOG) Stone Energy	Corporation		
Address 1300 Fort Pierpo	ont Dr Suite 201 City	Morgantown	State WV	Zip 26508
As Drilled location NAD Top I Landing Point of C Bottom I Elevation (ft) 1293 Permit Type □ Deviated Type of Operation □ Conve	nole Northing 4,388,554 urve Northing TBD - Onl Hole Northing TBD - Onl GL Type of W	y Top Hole Drilled y Top Hole Drilled Vell •New □ Exi	'ertical Depth Type	rilled
Well Type Brine Disposa	al □ CBM ■ Gas □ Oil 1	□ Secondary Recov	ery □ Solution Mining □ Stora	ge □ Other
Drilling Media Surface ho Production hole ■ Air □ Mud Type(s) and Additive(Rotary le Air	h Water Inter Brine	□Gas □ NGL □ Oil □ mediate hole ■ Air □ Mud I	■ Fresh Water □ Brine
Date permit issued9/2: Date completion activities b Verbal plugging (Y/N) Please note: Operator is req	Not yet complete N Date permission gr	Date compleranted	/8/2014 Date drilling cea etion activities ceased Granted by days of verbal permission to plug	IEGEIVED
Freshwater depth(s) ft	90	Open mine(s) (Y/N) depths	IAN 1 3 2017
Salt water depth(s) ft	None Reported	Void(s) enco	untered (Y/N) depths	N
Coal depth(s) ft	1027	Cavern(s) en		Depailment of
Is coal being mined in area (NAME: &	OVE	Environi	nental Protection Reviewed by:

DATE: 5-25-17

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API 47- 103	02911	Farm n	ame_L	emons, Gar	у		Well	number_#2	<u></u>	
CASING STRINGS			D		w or	Grade wt/fl		Basket Depth(s)		ment circulate (Y/N) ride details below*
Conductor	24"	20"		1	Vew		94 ppf			N - GTS
Surface	17.5"	13.375"	1300' KE	3 / 1290' GL	Vew	J55 -	54.5 ppf	100' & 200'		Y - CTS
Coal	17.5"	13.375"	1300' KE	3 / 1290' GL	Vew	J55 -	54.5 ppf	100' & 200'		Y - CTS
Intermediate 1	12.25"	9.625"	2569' KE	1 / 2559' GL	New	J55 ·	- 36 ppf			Y - CTS
Intermediate 2										
Intermediate 3								-		
Production										
Tubing										•
Packer type and d	epth set	13.375" x 9.625"	annulus	inflatable pack	er set @) 1186' KE	3	<u> </u>		
Comment Details	Circulated 25 bbl:	s cement to surface on t	he 13.375	" casing string. Circ	culated 30	bbls cement	to surface on the	9.625" casing s	tring.	
CEMENT	Class/Type	. Numb	er	Slurry		/ ield	Volume	Cen	ment	WOC
DATA Conductor	of Cement	of Sacl	ks	wt (ppg)		t ³ /sks)	(ft. ²)		(MD)	(hrs)
Conductor Surface	Type 1	34		15.6	+	1.18	40		rface	24+
Coal	Class A	940		15.6	+	1.20	1128		rface	8
Intermediate I	Class A	940		15.6		1.20	1128	_	rface	8
Intermediate 2	Class A	Lead: 700 / T	ail: 230	Lead: 15.6 / Tail: 15.6	Lead: 1.	22 / Tail: 1.21	Lead: 854 / Tail: :	2/8 Sui	rface	8
Intermediate 3										
Production										
Tubing										
	ation penetrated	Devonian Shale				D (ft) <u>N/A</u> to (ft)				
Check all wire		□ caliper □ neutron		•	deviat	ed/directi a ray		duction emperature	□son	ic
Well cored	Yes 🖪 No	Conventi	onal	Sidewall		W	ere cuttings	collected	□ Yes	■ No
DESCRIBE T	HE CENTRAI	LIZER PLACEM	ENT U	JSED FOR EA	ACH C	ASING S	TRING Sur	face casing has	bow spring o	entralizers placed on
joints 2, 6, 10, 14, 18,	, 22, 26 and 30. Intern	nediate casing has bow sp	ring centra	lizers placed on joints	4, 8, 12, 1	6, 20, 24, 28,	32, 36, 40, 44, 48,	52, 56 and 60.		
		<u> </u>								
WAS WELL	COMPLETED	AS SHOT HOLE	Е 🗆	Yes 🖪 No	DI	ETAILS				
WAS WELL	COMPLETED	OPEN HOLE?	□ Ye	es 🖪 No	DET.	AILS _				
WERE TRAC	FRS LISED	⊐ Yes 🖪 No	TV	PE OF TRAC	FR(S)	USED	-			
WELL INAC	LIG OBED	_ 1 CO = 140		. L OI INAC	-14(2)					

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API	47- 103 -	02911	Farm name Lemons, Gary	Well number #2H
API	4/- :		raim name	_wennumber

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)
								
						-		
,								

Please insert additional pages as applicable.

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API 47- 103 - 02911		Farm	_{name} Lemons		Well number_#2H					
PRODUCING F	ORMATION(<u>S)</u>	DEPTHS							
Not yet complete	ed			TVD		MD				
Not yet producting	ng									
						_				
Please insert add	litional pages a	as applicable.								
GAS TEST	□ Build up □	□ Drawdown	□ Open Flow	C	DIL TEST 🗆 🗎	Flow [Pump			
SHUT-IN PRES	SSURE Surf	face	_psi Botto	m Hole	psi	DURAT	TION O	F TES	Т	hrs
OPEN FLOW	Gas met	Oil fpd	NGL bpd	bpd	Water bpd	GAS M	1EASU nated	RED E	BY fice	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN F	T DESCRIBE	ROCK TYI	PE AND	RECOR	D QUAN	NTITYAND
	NAME TVD	TVD	MD	MD	TYPE OF FI	UID (FRE	SHWATI	ER, BRI	NE, OIL	, GAS, H ₂ S, ETC)
Sandstone & Shale	0	1027	0	1027			Fresh	vater @	90'	
Coal	1027	1034	1027	1034						
							No salt w	ater rep	orted	
Sandstone & Shale	1027	2216	1027	2216						
Big Lime	2216	2331	2216	2331						
Big Injun	2331	2416	2331	2416						
Sandstone & Shale	2416	2786	2416	2786						
Berea Sandstone	2786	2795	2786	2795						
Shale	2795	3036	2795	3036						
Gordon	3036	3060	3036	3060						
Undiff Devonian Shale	3060	5699	3060	5721					-	
Please insert add										
Drilling Contract Address 900 Virg	ctor Highlands ginia Street - East	(top hole)	City	Charleston		State	WV	Zip	25301	
Logging Compa	Scientific D	rilling (top hole)							
Address 124 Visi			City	Charleroi		State	PA	Zip	15022	
Cementing Com	npany Halliburt	on (top hole)								
Address 121 Cha	ampion Way		City	Canonsburg		State	PA	Zip	15317	1
Stimulating Cor	npany					Tg 4 s T				
Address			City			State	-	Zip		
Please insert add	ditional pages a	as applicable.								
Completed by	Completed by Greg Zofchak						5-1600			
Signature by William Engineer							Date 3			