Environmenta Protection

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 _ 0294	18 County Wetz	el	District Green		
Quad Porters Falls	Pad Name Co	Field/Pool Name Mary			
Farm name Conley, Ronald	Gene		Well Number #7H		
Operator (as registered with the Address 1300 Fort Pierpont	Stone Energy C	Corporation Morgantown	State WV	Zip 26508	
	Northing 4,384,122  TRD - Only  Northing TBD - Only  GL Type of We  Horizontal Hori	Top Hole Drilled Top Hole Drilled  II New Ex	/ertical Depth Type	terim Final  Deep Shallow	
Type of Operation □ Convert	□ Deepen ■ Drill	□ Plug Back	□ Redrilling □ Rework □ S	Stimulate	
Well Type   Brine Disposal	□ CBM ■ Gas □ Oil □	Secondary Recov	very □ Solution Mining □ Storage	e 🗆 Other	
Type of Completion □ Single  Drilled with □ Cable ■ Ro  Drilling Media Surface hole  Production hole ■ Air □ M  Mud Type(s) and Additive(s)  Air Drilling additives: air, fr	etary ■ Air □ Mud ■Fresh ud □ Fresh Water □ B	rine	□Gas □ NGL □ Oil □ Cormediate hole ■ Air □ Mud ■ , PAC, foamer, corrosion inhib		
Date permit issued1/16/2	Dutc diffing co	mmeneed	26/2014 Date drilling cease	ed10/2/2014	
Date completion activities bega	Not yet completed	Date comp	letion activities ceased		
Verbal plugging (Y/N)N	Date permission gra	nted	Granted by		
Please note: Operator is requir	ed to submit a plugging app	olication within 5	days of verbal permission to plug		
Freshwater depth(s) ft	100	Open mine(s	s) (Y/N) depthsREC	Oil Nand Gas	
Salt water depth(s) ft	1680	_ Void(s) enco	Jamerea (1777) depuis		
Coal depth(s) ft	524	_ Cavern(s) er	ncountered (Y/N) depthsMAR	1 3 2017	
Is coal being mined in area (Y/	APPR	OV		Reviewed by:Of	

NAME: Don A Hor

DATE: 5-25-17

API 47- 103	_ 02948	Farm n	ame_Conley	, Ronald Ge	ene	We	ell number_#7	Н	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)		
Conductor	24"	20"	88' KB / 80' G	L New	LS -	94 ppf			N - GTS
Surface	17.5"	13.375"	864' KB / 854' G	L New	J55 -	54.5 ppf	100' & 200'		Y - CTS
Coal	17.5"	13.375"	864' KB / 854' G	L New	J55 -	54.5 ppf	100' & 200'		Y-CTS
Intermediate 1	12.25"	9.625"	2209' KB / 2199' G	∟ New	J55 -	- 36 ppf			Y - CTS
Intermediate 2									
Intermediate 3									-
Production									
Tubing									
Packer type and de	epth set				_				-
Comment Details	Circulated 25 bbls of	cement to surface on (	the 13.375" casing s	string. Circulated 2	5 bbls cemenl	to surface on	the 9.625" casing st	ring.	
CEMENT	Class/Type	Numb	er S1	шту	Yield	Volum	e Cem	ent	WOC
DATA	of Cement	of Sac	ks wt	(ppg) (	ft ³/sks)	(ft. <sup>3</sup> )	Тор (	MD)	(hrs)
Conductor	Type 1	34			1.18	40	Surf		24+
Surface	Class A	675		5.6	1.21	816	Surf	ace	8
Coal	Class A	675	1!	5.6	1.21	816	Surf		8
Intermediate 1	Class A	745	1:	5.6	1.21	901	Surf	ace	8
Intermediate 2									
Intermediate 3									
Production Tubing									
•	) 5447' MD / 5435' T tion penetrated cedure				ΓD (ft) <u>N/A</u>	\			
Kick off depth	(ft) TBD - only lop t	nole drilled							
Check all wire	line logs run	□ caliper □ neutron	□ density □ resistivi		ted/directi na ray		induction temperature	□soni	c
Well cored	Yes A No	Convent	ional Sid	dewall	W	ere cuttin	gs collected	□ Yes I	■ No
DESCRIBE T	HE CENTRAL	IZER PLACEM	IENT USED I	FOR EACH C	ASING S	TRING :	Surface casing has t	ow spring co	entralizers placed on
joints 2, 5, 8, 11, 14, 1	8 and 20. Intermediate	casing has bow spring	centralizers placed or	n joints 4, 8, 12, 16, 2	0, 24, 28 and 32	2.			
WAS WELL O	COMPLETED A	AS SHOT HOL	E □ Yes	■ No D	ETAILS				
WAS WELL (	COMPLETED (	OPEN HOLE?	□ Yes 🖪	No DET	AILS _				
WERE TRAC	ERS USED 🗆	Yes • No	TYPE OF	TRACER(S)	USED _		. <u>.</u>		

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A DI	<sub>47-</sub> 103 <sub>-</sub>	02948	Farm name Conley, Ronald Gene	Well number #7H
API	47. 103 -	025-0	Farm name	_Well number

## 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 (PS1)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
				1				
								<u>-</u>

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13

API 47- 103	_ 02948	Farm	name Conley,	Ronald Ger	neWell number_#7H
PRODUCING F	FORMATION(	S)	<u>DEPTHS</u>		
Not yet complete	7			TVD	MD
Not yet productir			-	_ 1 1  _	ND
Not yet productif	ig				
	6 V	<u> </u>		-	
Please insert add	ditional pages a	is applicable.			
GAS TEST	□ Build up □	Drawdown	□ Open Flow	OI	IL TEST □ Flow □ Pump
SHUT-IN PRES	SSURE Surf	ace	psi Botto	om Hole	psi DURATION OF TEST hrs
OPEN FLOW	Gas met	Oil fpd	NGL bpd		Vater GAS MEASURED BY bpd □ Estimated □ Orifice □ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITYAND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC
Sandstone & Shale	0	524	0	524	Fresh water @ 100'
Coal	524	532	524	532	
Sandstone & Shale	532	1634	532	1634	
Little Lime	1634	1677	1634	1677	Salt water @ 1680'
Sandstone & Shale	1677	1740	1677	1740	
Big Lime	1740	1934	1740	1934	
Big Injun	1934	1988	1934	1988	
Sandstone & Shale	1988	2343	1988	2343	
Berea Sandstone	2343	2357	2343	2357	
Shale	2357	2590	2357	2590	
Gordon	2590	2640	2590	2640	
Shale	2640	3095	2640	3095	
Undiff Devonian Shale	3095	5435	3095	5447	
Please insert ad					
Drilling Contract Address 900 Virg			City	Charleston	State WV Zip 25301
Logging Compa		rilling (top hole		Charleroi	C PA 7: 15022
Address 124 Vis			City	Julianelli	State PA Zip 15022
Cementing Com Address 121 Cha	npany Halliburto ampion Way	on (top hole)	City	Canonsburg	State PA Zip 15317
Stimulating Cor	npany				
Address			City		State Zip
Please insert add	ditional pages a	as applicable.			
Completed by	Greg Zofchak				Telephone 304-225-1600
Signature	Da 3	fels.	Title D	rilling Engineer	Date 2/28/2017
	draulic Fractur	ing Chemical	Disclosure Info	rmation A	Attach copy of FRACFOCUS Registry