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

API 47 051 0	1834 County Marsl	hall _{Di}	istrict Clay		
Quad Powhatan Point	Pad Name MN	ID 1 Fi	eld/Pool Name	Marcelli	us
Farm name CNX Gas Co	Pad Name MN ompany, LLC ET AL	v	Vell Number	MND 1 K	HS
Operator (as registered with	the OOG) Noble Energy,	, Inc.			
	nergy Way City H		State Texa	as zi	77070
As Drilled location NAD a Top h Landing Point of Co Bottom H	nole Northing 39.849872 urve Northing	Eastin	leviation surve g80.774263 gg		
Elevation (ft) 1152.08	GL Type of Well	■New □ Existing	Type of Rep	oort EInterin	n □Final
Permit Type Deviated	□ Horizontal ■ Horizo	ontal 6A	Depth Type	e 🗆 Dee	p 🖺 Shallow
Type of Operation □ Conve	ert 🗆 Deepen 🗆 Drill	□ Plug Back □ Redrilli	ng 🗆 Rewo	rk 🗆 Stim	ulate
Well Type □ Brine Disposa	d □ CBM	econdary Recovery Solu	tion Mining	Storage [Other
내가 있다면 가장 사람이 되었다.	le □ Multiple Fluids Proc Rotary	duced □ Brine □Gas	□ NGL □ O	il □ Other	
	e □ Air □ Mud □Fresh W Mud □ Fresh Water □ Bri		le □Air □N	Mud □ Fres	sh Water 🗆 Brine
Date permit issued05/2	7/2015 Date drilling cor	nmenced_ 08/01/2015	Date drill	ing ceased _	08/01/2015
Date completion activities be	20	Date completion activit			
The second secon	n Date permission grant	ted	Granted by		
Please note: Operator is requ	uired to submit a plugging appli	ication within 5 days of ver	bal permission	to plug	RECEIVED Office of Oil and (
Freshwater depth(s) ft	521'	Open mine(s) (Y/N) dep	ths	na	AUG 0 1 2017
Salt water depth(s) ft	na	Void(s) encountered (Y/			AA/D
Coal depth(s) ft	687-697	Cavern(s) encountered (Envi	Kanmental Protec
Is coal being mined in area (APPRO Yes	DVED			viewed by:

API 47- 051	_ 01834	Farm name	CNX Gas C	company	, LLC ET	AL Well	number_MN	D 1 KHS
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	36"	30"	40'	New		LS/117#		Trovide details below
Surface								
Coal								
Intermediate 1								
Intermediate 2								
Intermediate 3								
Production								
Tubing				···				
Packer type and d	epth set	_				l	<u>.</u>	
Comment Details	*set only the condu	uctor.						
CEMENT	Class/Type	Number	Slurry		ield	Volume	Cemen	
DATA Conductor	of Cement	of Sacks	wt (ppg)	<u>(ft</u>	³/sks)	(ft. ³)	Top (MI	O) (hrs)
Surface				-				
Coal							-	
Intermediate 1							_	
Intermediate 2				 				(1) cas
Intermediate 3								ENED Ga
Production				_				Car Chian
Tubing								44 40 10/1
Drillers TD (ft Deepest forma Plug back pro-	tion penetrated			oggers TI lug back t			e	FIE ON AND BAT 2017 MY DEPARTMENTAL PRO
Kick off depth Check all wire		caliper c			d/direction ray		luction nperature	
Well cored	Yes □ No	Conventional	Sidewall		Were	e cuttings o	collected - Y	Yes □ No
						J		
DESCRIBE TI	HE CENTRALIZI	ER PLACEMENT	USED FOR E	EACH CA	SING STR	RING		
		·						
WAS WELL C	OMPLETED AS	SHOT HOLE	□ Yes □ No	DE.	TAILS _			
WAS WELL C	OMPLETED OP	EN HOLE?	Yes 🗆 No	DETA	ILS			
WERE TRACE	ERS USED 🗆 Y	es 🗆 No T	YPE OF TRAC	CER(S) U	SED			

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Farm name CNX Gas Company, LLC ET AL Well number MND 1 KHS

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD fl.	Number of Perforations	Formation(s)
NA					

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)
NA								
					_			
							REC	EIVED
							MICE Of C	E!VED ^{III} and Gas
								" ^{and} Gas
							1 706 0	2017
						V	NA	ment of n Protection
						Envir	Dapari	men.
L							"imental	Prote
								rotection
<u> </u>								

Please insert additional pages as applicable.

API 47- 051	01834	Farm	name CNX G	as Compan	y, LLC ETA	<u>L</u> Well numb	per_IVIND 1 K	HS
PRODUCING	FORMATION(<u>S)</u> .	<u>DEPTHS</u>					
NA				TVD		MD		
				_ 100 _		MID		
								
Please insert ac	lditional pages a	s applicable.						
GAS TEST	□ Build up □	Drawdown	□ Open Flow	0	IL TEST DF	low 🗆 Pur	mp	
SHUT-IN PRE	SSURE Surf	ace	_psi Botto	om Hole	psi	DURATION	OF TEST	hrs
OPEN FLOW	Gas	Oil	NGI	,	Vater	CACMEAG	SUBED BY	
OI LIVI LOW			opd				Orifice	□ Pilot
		·		_				
LITHOLOGY/	ТОР	воттом	ТОР	воттом				
FORMATION	DEPTH IN FT	DEPTH IN FT			DESCRIBE R	OCK TYPE AN	ID RECORD QUAN	ITITYAND
	NAME TVD	TVD	MD	MD			ATER, BRINE, OIL	
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								60 7 L
							Office Proceives	101 101 10 10 10 10 10 10 10 10 10 10 10
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Please insert ad	ditional pages a	s applicable.	I		<u> </u>			
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Address			City			_State	Zip	
Logging Comp	any							
						State	Zip	
/tdd/035	·						·r	·
Cementing Con	npany							
						_ State	Zip	
•	mpany					0	7.	
			City			_State	Zip	
Please insert ad	ditional pages a	s applicable.						
Completed by	Dee Swiger				Telephone	724-820-30	61	
Signature		2011	Title R	egulatory Ana	Telephone _s alyst, III	Date	06/19/2017	····
~.B		, 1/6/1	·	- ·				
Submittal of Hy	draulic Fracturi	ing Chemical I	Disclosure Info	rmation A	Attach copy of	FRACFOCU	JS Registry	

