age	of
0-	

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

API 47 - 051 - 01839 County Manager Powhatan Point Pad Name Farm name CNX Gas Company, LLC ET Al Operator (as registered with the OOG) Noble Energy Address 1001 Noble Energy Way City	MND 1 Field	M	
Operator (as registered with the OOG) Noble Ener		Pool Name	arcellus
Operator (as registered with the OOG) Noble Energy Noble Energy Way  City	- Well	Number MNE	0 1 MHS
Address 1001 Noble Energy Way Cit	rgy, Inc.		
	y Houston s	State Texas	Zip_77070
Top hole Northing 39.849  Landing Point of Curve Northing Northing Northing	EastingEasting	80.774299	■Interim □Final
Permit Type   Deviated   Horizontal   H	orizontal 6A	Denth Tyne	□ Deep ■ Shallow
			□ Stimulate
Type of Operation □ Convert □ Deepen □ Drill			
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil	□ Secondary Recovery □ Solution	n Mining   Stor	rage   Other
Type of Completion □ Single □ Multiple Fluids  Drilled with □ Cable ■ Rotary	Produced   Brine   Gas    N	NGL □ Oil □	Other
Drilling Media Surface hole		□ Air □ Mud	□ Fresh Water □ Brine
	a Brine		
Mud Type(s) and Additive(s)		D. (1.1 III)	08/02/2015
Mud Type(s) and Additive(s)  Date permit issued	commenced 08/02/2015	Date drilling ce	
Date completion activities began na	commenced 08/02/2015  Date completion activities	ceased	na na
Mud Type(s) and Additive(s)  Date permit issued 05/27/2015 Date drilling  Date completion activities began na	commenced 08/02/2015  Date completion activities		na na
Mud Type(s) and Additive(s)  Date permit issued	commenced 08/02/2015 Date completion activities granted G	ceased ranted by	na na
Mud Type(s) and Additive(s)  Date permit issued	commenced 08/02/2015 Date completion activities granted G	ceased ranted by permission to plu	na Office PEC
Mud Type(s) and Additive(s)  Date permit issued	commenced 08/02/2015  Date completion activities granted Gapplication within 5 days of verbal  Open mine(s) (Y/N) depths	ceased ranted by permission to plu	na Office PEC
Mud Type(s) and Additive(s)  Date permit issued	commenced 08/02/2015 Date completion activities granted G	ceased ranted by  permission to plu  depths	na Office PRO

API 47- 051	01839	Farm nar	<sub>ne_</sub> CNX Gas	Company	, LLC ET AL	Well number_N	IND 1 MHS
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#		
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and de	epth set						
Comment Details	*set only the cond		01				
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)		ield Volu  3/sks) (ft	_	nent WOC (MD) (hrs)
Conductor							, , , , , , , , , , , , , , , , , , , ,
Surface							
Coal						(0)	
Intermediate 1						38.6	,00
Intermediate 2						QQ	10
Intermediate 3						A LE	O O
Production						<del>#</del> = =	Eq
Tubing		<u> </u>					
Drillers TD (ft) Deepest format Plug back prod	tion penetrated _			Loggers Ti Plug back t		Office of	WV Department of
Kick off depth	(ft) <u>N</u> A						~
Check all wirel	ine logs run	□ caliper □ neutron	□ density □ resistivity			□ induction □ temperature	□sonic
Well cored	Yes 🗆 No	Convention	al Sidewa	.11	Were cutti	ings collected	□ Yes □ No
DESCRIBE TH	HE CENTRALIZ	ZER PLACEMEN	IT USED FOR	EACH CA	SING STRING		
		~					
WAS WELL C	OMPLETED A	S SHOT HOLE	□ Yes □ N	lo DE	TAILS		
WAS WELL C	OMPLETED O	PEN HOLE?	Yes 🗆 No	DETA	ILS		
WERE TRACE	ERS USED 🗅 🗅	Yes □ No	TYPE OF TRA	ACER(S) U	SED		

. . .

WR-	35
Rev	8/23/13

Page	of

A DI	17-	051	_	01	839
A PI	47-	USI	-	U I	COS

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

## PERFORATION RECORD

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

Please insert additional pages as applicable.

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								
					***************************************			
-								
					· · · · · · · · · · · · · · · · · · ·			Offic To
								\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
· · · · · · · · · · · · · · · · · · ·							A 4	1/ Oit
					· · · · · · · · · · · · · · · · · · ·		1/2/2	All Oil K
							Cruiton M	South Company
							73	2 9/2 (V)
	<u> </u>					L		

Rev. 8/23/13								Page of _
	_ 01839	Farm	name CNX G	as Compa	any, LLC ET /	AL Well number	MND 1 N	//HS
	-					wen namber_		
<u>PRODUCING</u>	FORMATION(	<u>(S)</u>	<u>DEPTHS</u>					
NA		<u>_</u>		TVD		MD		
				<del></del>		<u> </u>		
Please insert ac	iditional pages a	as applicable.						
GAS TEST	□ Build up □	Drawdown	□ Open Flow		OIL TEST	Flow   Pump		
SHUT-IN PRE	SSURE Surf	face	psi Botto	om Hole	psi	DURATION OF	TEST	hrs
OPEN FLOW		Oil fpd				GAS MEASUR		□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	DEPTH IN FT MD	BOTTOM DEPTH IN MD	FT DESCRIBE	ROCK TYPE AND RI .UID (FRESHWATEF	_	
	0		0	:				
								***************************************
<u>c</u> s								
<del></del>	5							
Mico of CEIVED AVG 01 2nd	Muchinental Potention							
AN STATE			-					
2 24	EQ							
	\$ 40 Q							
<u>₩</u> ₹	\$ E						<u>-</u>	
<u> </u>	3.							
	2							
Please insert ad	ditional pages a	s applicable.						
Drilling Contra	ctor							
						State	Zip	<del> </del>
Logging Comp	any							
Address			City			State	Zip	
Cementing Con	nnanv							
Address	npany		City			_ State	Zip	
Sumulating Col Address	mpany		City		-	State	Zip	
Please insert ad	ditional pages a	s applicable.					г	
Completed be-	Dee Swiger				Talanhana	724-820-3061		
Signature /	C/10 \	111014	Title Ro	egulatory A	nalyst, III	Date 06/	19/2017	
·	<del>بالرسميات</del>	<del>- 901</del>						

