WV Department of Environmental Protection

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

API 47 - 051 - 01836	6 County Mars	shall	District Clay		
Quad Powhatan Point			ield/Pool Nar	ne Marcel	us
Farm name CNX Gas Comp			Well Number	MND 1 D	HS
Operator (as registered with the C	Noble Energy	, Inc.			
Address 1001 Noble Energ	y Way City H	louston	_ _{State} Te	xas z	77070
As Drilled location NAD 83/U' Top hole Landing Point of Curve Bottom Hole	rm Attach an as-dr Northing 39.849893 Northing Northing	Eastir	ng <u>-80,77434</u> ng	0	
Elevation (ft) 1152.08	GL Type of Wel	I ■New □ Existing	Type of R	eport #Interi	m □Final
Permit Type Deviated	Horizontal 🖪 Horiz	zontal 6A	Depth Ty	pe 🗆 De	ep 📱 Shallow
Type of Operation □ Convert	□ Deepen □ Drill	□ Plug Back □ Redrill	ing □ Rew	ork □ Stin	nulate
Well Type ☐ Brine Disposal ☐ (CBM ■ Gas □ Oil □ S	Secondary Recovery Sol	ution Mining	□ Storage	Other
Type of Completion ☐ Single ☐	Multiple Fluids Pro	duced Brine Gas	n NGI n	Oil □ Othe	r
Type of Completion □ Single □ Drilled with □ Cable ■ Rotar		duced D Brille DGas	UNGL U	Oii 🛮 Oille	-
Drilling Media Surface hole □ Production hole □ Air □ Mud Mud Type(s) and Additive(s)			ole □Air □	o Mud □ Fre	sh Water □ Brine
Date permit issued _ 05/27/20	15 Date drilling co	mmenced08/01/2015	Date dri	Iling ceased _	08/01/2015
Date completion activities began _	na	Date completion activi			
Verbal plugging (Y/N)n	Date permission gran	ted	Granted by		
Please note: Operator is required	to submit a plugging app	lication within 5 days of ver	bal permissio	n to plug	
Freshwater depth(s) ft	521'	Open mine(s) (Y/N) dep	oths	na	6
Salt water depth(s) ft	na	Void(s) encountered (Y	/N) depths _		na _{ECEIVED}
Coal depth(s) ft6	87-697	Cavern(s) encountered ((Y/N) depths	Offic	Bo Oil and G
Is coal being mined in area	DDD Yes	MEM		Re	Melled Oyl 2017

API 47- 051	01836	Farm nam	e CNX Gas C	ompan	, LLC E	T AL We	l number_	/ND 1 E)HS
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)		ent circulate (Y/N) de details below*
Conductor	36"	30"	40'	New	LS/117#				
Surface									
Coal									
Intermediate 1									
Intermediate 2									+
Intermediate 3									
Production	i i								
Tubing							 		
Packer type and d	epth set	,	,		·				
Comment Details	*set only the cor	nductor.							
CEMENT	Class/Type	Number	Slurry	3	ield '	Volume	Ce	ment	woc
DATA	of Cement	of Sacks	wt (ppg)		³/sks)	(ft. ²)		(MD)	(hrs)
Conductor							_		
Surface									
Coal									
Intermediate I									
Intermediate 2									
Intermediate 3									
Production									
Tubing									
-				oggers T lug back	D (ft) <u>40'</u> to (ft)				
Kick off depth	(ft) NA								
Check all wire	line logs run	•	•	□ deviate □ gamma	ed/direction		nduction emperature	□sonic	
Well cored	Yes 🗆 No	Conventions	ıl Sidewall		W	ere cuttings	collected	□ Yes □	No
DESCRIBE TI	HE CENTRALI	ZER PLACEMEN	T USED FOR E	ACH CA	SING ST	ring _			
	·····	water a true							CEIVED
						 		1 11-	f Oil and Gas
		AS SHOT HOLE							
WAS WELL C	COMPLETED C	PEN HOLE?	Yes 🗆 No	DETA	AILS		E		epartment of ental Protection
WERE TRACE	ERS USED 🗆	Yes 🗆 No	TYPE OF TRAC	CÉR(S) U	JSED				

WR-35	
Rev. 8/23/13	

Page	of	
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_{API 47-} 051 ₋ 0°	1836
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Farm name CNX Gas Company, LLC ET AL Well number MND 1 DHS

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.

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
							Office of	EIVED Oil and Gas
								<u> </u>
					· · · · · · · · · · · · · · · · · · ·		AUG	0 1 2017
							WV Der	artment of
L						E	nvirenme	ntal Protection

Please insert additional pages as applicable.

WR-35									Page of
Rev. 8/23/13						_			- - -
API 47- 051	01836	Farm	name CNX G	as Comp	any, LL	CETA	VL Well number	_r MND 1	DHS
PRODUCING	FORMATION	<u>l(S)</u>	<u>DEPTHS</u>						
NA				_ TVD			MD		
					<u> </u>				
Please insert ac	iditional pages	as applicable.							
GAS TEST	□ Build up	□ Drawdown	□ Open Flow		OIL TE	ST 🗆 I	Flow 🗆 Pum	р	
SHUT-IN PRE	SSURE Sur	rface	psi Botto	om Hole_		_psi	DURATION	OF TEST _	hrs
OPEN FLOW		Oil efpd	NGL bpd				GAS MEAS □ Estimated		□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	MD	BOTTO DEPTH IN MD	FT DES		ROCK TYPE ANI UID (FRESHWA	-	ANTITYAND IL, GAS, H2S, ETC)
	0		0						
								REC	CIVED OIL and Gas
								Ollice	0 1 2017
							<u> </u>	77.11	Pont of
								4:40	anartment of nental Protecti
Please insert ad	ditional pages	as applicable.	1					Environi	Herrica.
Drilling Contra Address			City				_ State	Zip	
Logging Compa	any								
Address			City		······································		State	Zip	
Cementing Con							_ State	Zip	
					_		State	7in	

Completed by Dee \$wiger

Please insert additional pages as applicable.

Telephone 724-820-3061

gnature Title Regulatory Analyst, III

Date 06/19/2017

