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

Received
Office of Oil & Gas
JAN 27 2017

API <u>47</u> <u>095</u> <u>02214</u>			strict Centerville	e				
Quad Shirley	Pad Name SHR	10 Fie	eld/Pool Name NA					
Farm name Noble Energy, Inc.		W	Well Number SHR 40 FHS					
Operator (as registered with the OO	/							
Address 1000 Noble Energy Dr	ive City Can	onsburg	State PA	_{Zip} _15317				
As Drilled location NAD 83/UTM Top hole Landing Point of Curve Bottom Hole	Northing 4362838.30 Northing 4362934.71 Northing 4360518.54	Easting Easting	eviation survey 514248.62 515105.22 516030.58					
Elevation (ft) 771 GL	Type of Well	New □ Existing	Type of Report	□Interim ■ Final				
Permit Type Deviated Deviated	Horizontal Horizont	al 6A □ Vertical	Depth Type	□ Deep ■ Shallow				
Type of Operation Convert	Deepen ■ Drill □	Plug Back	g 🗆 Rework	□ Stimulate				
Well Type □ Brine Disposal □ CB	M ■ Gas □ Oil □ Seco	ondary Recovery Solut	ion Mining □ Sto	orage □ Other				
Drilling Media Surface hole A Production hole Air Mud Mud Type(s) and Additive(s) Synthetic Oil Based	ir □ Mud □Fresh Water □ Brine	er Intermediate hole	■ Air ■ Mud	□ Fresh Water □ Brine				
Date permit issued12/18/2014 Date completion activities began	Date drilling comm	enced03/15/2015 Date completion activities	_ Date drilling of	ceased07/13/2015				
Verbal plugging (Y/N) N	Date permission granted	-	Granted by					
Please note: Operator is required to s	submit a plugging applicat	ion within 5 days of verba	al permission to p	lug				
Freshwater depth(s) ft		Open mine(s) (Y/N) depth	is	none				
sait water acptin(s) it		Void(s) encountered (Y/N) depths	none				
Coal depth(s) ftno		Cavern(s) encountered (Y	/N) depths	none				
Is coal being mined in area (Y/N)	N	APPR	OVI	evie led by:				

NAME: 2/3/17

TYPE OF TRACER(S) USED ___

WERE TRACERS USED 🗆 Yes 💄 No

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API 47- 095 - 02214	Farm nameNoble Energy, Inc.	Well number
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	Well has not	Been Complete			
	<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 (PSI)					Amount of Water (bbls)	Amount of Nitrogen/other (units)
							Proppant (lbs)		
	SEE ATTAC	HED STIMUL	ATION	1			-		
		ION PER STA							
	RECORD								
	Well not	Complete	No	Data	Available				
						_			

Please insert additional pages as applicable.

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API 47- 095	_ 02214		Farm	name No	ble Ene	ergy, Inc.			Well n	umber <u> </u>	PEN 2 BHS	
PRODUCING	FORMAT	ION(S)	_	DEPTH	<u>:S</u>							
						_TVD			MD			
						_						
		<u> </u>										
Please insert ad	lditional pa	nges as ap	- plicable.									
GAS TEST	_	-		□ Oper	Flow		OIL	TEST \square	Flow 🗆	Pump		
SHUT-IN PRE											F TEST _	hrs
OPEN FLOW	Gas		Oil		NGL		Wa	ter	GAS M	IEASUI		
LITHOLOGY/ FORMATION	TOP DEPTH II		BOTTOM PTH IN FT		OP I IN FT	BOTTO! DEPTH IN						ANTITYAND
	NAME T	TVD	TVD		ID	MD	$\overline{}$	TYPE OF F	LUID (FRE	SHW <u>ATE</u>	R, BRINE, O	IL, GAS, H ₂ S, ETC)
	SEE ATT	VCHED -		1 ')							
	FORMAT											
							\dashv					
				-			_					
	-											
Please insert ac	dditional pa	ages as ap	plicable.									
Drilling Contra	actor Preci	sion Drillin	g Compan	y								
Address 5400 [D Big Tyler R	load			City	Charlesto	n		State	WV	_ Zip 253	13
Logging Comp	_{nany} Baker	· Hughes										
Address 400 To	echnology Dr	rive #120			City	Canonsb	urg		State	PA	Zip <u></u>	17
Cementing Co Address 100 H	mpany Alli ope Street	ed Cemer	iting Comp	any, LLC	City	Clarksbu	- rg		State	WV	Zip <u></u> 263	01
Stimulating Co	ompanv											
Address					City				State		Zip	
Please insert a	dditional p	ages as ap	plicable.									
Completed by	y Regina A	Logue)					Telephon	e <u>724-820</u>	-3559		
Completed by Signature N	gina	<u>.a.</u> 3	ogue		Title _	Regulatory A	nalyst	Telephon		Date 0	1/20/2017	
Submittal of H	<u> </u>			Disclos	ure Info	ormation	At	tach copy	of FRAC	FOCUS	Registry	

SHR 40 FHS				
Formations	Top		Base	
Shale		0		1020
Shale and Sandstone		1020		1743
Big Lime		1743		1871
Big Injun		1871		1978
Price		1978		2129
Weir		2129		2233
Shale		2233		2320
Berea		2320		2328
Shale		2328		2509
Sandstone		2509		2611
Shale		2611		2747
Sandstone		2747		2765
Shale		2765		3239
Warren		3239		3285
Shale and Sandstone		3285		3637
Lower Huron		3637		4395
Sandstone		4395		4433
Shale		4433		4627
Sandstone		4627		4683
Shale		4683		4807
Benson		4807		4851
Shale		4851		5051
Alexander		5051		5109
Shale		5109		6050
Cashaqua		6050		6161
Middlesex		6161		6195
West River		6195		6263
Burkett		6263		6297
Tully		6297		6300
Hamilton		6300		6317
Marcellus		6317		6381

6381

Onondaga

