WR-35 Rev. 8/23/13 APPROVEINAME: Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

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API 47 - 017	06482	County Doddr	idge	Distri	on		
Quad Oxford				Field/Pool Name N/A			
$_{Farm\;name}\underline{Haessly}$	Land & Tim	ber, LLC			Number Oxf		
Operator (as registered	with the OOG)	Noble Energy,	Inc.				
Address 1000 Nobl	e Energy D	rive <sub>City</sub> Ca	anonsburg	S	tate PA	<sub>Zip</sub> _15317	
Landing Point Bott	f op hole North No	Attach an as-drill Northing as drilled plat to be Torthing upon completion orthing	o submitted by CNX of the well,	Easting Easting Easting			
Elevation (ft) 1335	GL	Type of Well	■New □ Exist	ing 7	Type of Report	■Interim □Final	
Permit Type	iated 🗆 Ho	rizontal 🖪 Horizon	ntal 6A 🛮 🗆 Ve	rtical ]	Depth Type	□ Deep ■ Shallow	
Type of Operation 🗆 C	onvert □ De	epen 🖪 Drill 🛚	□ Plug Back	□ Redrilling	□ Rework	□ Stimulate	
Well Type □ Brine Dis	sposal 🗆 CBM	■ Gas □ Oil □ Se	condary Recover	y   Solution	n Mining □ Sto	orage 🗆 Other	
Type of Completion  Drilled with  Cable  Drilling Media Surface  Production hole  Air  Mud Type(s) and Addit  Synthetic Oil Base	■ Rotary  e hole ■ Air ■ Mud □  tive(s)		ater Interm			□ Other □ Fresh Water □ Brine	
					<u> </u>	ECEIVED	
Date permit issued0	7/24/2014	Date drilling com	menced12/1	8/2014	Office Date drilling o	of Oil and Gas eased 04/15/2015	
Date completion activiti	ies beganN	lot completed				IANa1 7 2017	
Verbal plugging (Y/N)  Please note: Operator is					ranted by WV I	Department of mental Protection	
- 11 openior is	s sequired to sut	a prosente applic	MILLON WILLIIII J CO	ajs or veroar j	porimisaton to pi	ues	
Freshwater depth(s) ft		503',810'	Open mine(s)	(Y/N) depths		N	
Salt water depth(s) ft		d for offsets	Void(s) encour	ntered (Y/N)	depths	N	
Coal depth(s) ft	NA		Cavern(s) enco	ountered (Y/N	I) depths	N	
Is coal being mined in a	rea (Y/N)	No				Reviewed by:	

API 47- 017	06482	Farm r	ame_H	laessly La	ind & Tim	ber,	LLC_We	ell number	Oxf 9	7 BHS	
CASING STRINGS	Hole Size	Casing Size	D		New or Used	Grade wt/ft		Basket Depth(s)		Pid cement circulate (Y/	,
Conductor	26"	20"	1		New		I-55			110,100 Columb Colo,	<u></u>
Surface	17.5"	13 3/8"	89	2.1'	New		I-55			Υ	
Coal											
Intermediate 1	12.38"	9 5/8"	299	92.4'	New	HC	CK-55		_	N	
Intermediate 2				1					<del>-  </del>		
Intermediate 3											
Production	8-3/4" & 8-1/2"	5 1/2"	16.4	148.9'	New	P.	110			Y	
Tubing			10,	110.0	11011		110			<u> </u>	
Packer type and d	epth set		l	!	<u> </u>					<del></del> .	
Comment Details		·									
CEMENT	Class/Type	Numb	er	Slurry	Yield	d	Volume	;	Cement	WOC	
DATA Conductor	of Cement	of Sacl	cs	wt (ppg)	( ft <sup>3</sup> /sl	ks)	(ft. <sup>3</sup> )	1	Γορ (MD)	(hrs)	
Surface	T. 4/0							- 1			
Coal	Type 1 / Clas	s A 778		15.6	1.18	В	918.04	4	19.1	8	
Intermediate 1	T 4 / Ol	- 0 -1 (4)	4405	45.0	0. 11						
Intermediate 2	Type 1 / Class	s A stage (1)	1185	15.6	Stage (1	) 1.18	1398.3	3	19.1	8	
Intermediate 3											
Production								_   _			
Tubing	Type 1 / Class	s A   3860	1	14.5	1.2	7	4902.2	2	19.1	8	
Tubing								<u>i_</u>			
Drillers TD (ft Deepest forma Plug back pro-	tion penetrated	Marcelius	_		oggers TD ( ug back to (	` -					<u> </u>
Kick off depth	(ft)_6036'				_						
Check all wireline logs run											
Well cored	Yes □ No	Conventi	onal	Sidewall		W	ere cutting	s collecte	d □Ye	es 🗆 No	
DESCRIBE TI 9 Centralizers on Surfa 270 Centralizers or	HE CENTRALI ace Casing 26 Centralize Production String (r	ZER PLACEM ors on Intermediate Strin igid bow string every	ENT U	SED FOR E. ng centralizers on fi	ACH CASI first two joints then pring every third	NG ST	TRING North to 100' from KOP to top	o centralize	¥巨GE of Oi	IVEDor.	
									AN 1	7 2017	_
WAS WELL C	COMPLETED A	S SHOT HOLE	E - 1	Yes ■ No	DETA	AILS			Dena	rtment of	
										al Protection	
WAS WELL C	COMPLETED O	PEN HOLE?	□ Yes	s 🖪 No	DETAIL	.s					
WERE TRACE	ERS USED 🙃	Yes No	TYP	E OF TRAC	CER(S) USE	ED					

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API 47- 017 = 06482

Farm name\_Haessly Land & Timber, LLC Well number\_Oxf 97 BHS

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	well not complete			65	
) I					
27			<u> </u>		
NT I			<u> </u>		
					<u></u>
			-		<del></del>
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-					
<u> </u>					
				<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)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
					. (/	(100)	(5512)	THE OFFICE (MINE)
				<del> </del>				
-						<del></del>		
		_	<u> </u>	10				
		ļ		4 3				
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				<del></del>				
_							HECE	VED
						Off	ice of Oil	VED and Gas
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		- 1					JAN 1 7	2017
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						10/	V Donor	tmont of
	- 1					V V	v Depai	THEIR OF
	<u> </u>					Envir	<u>onmenta</u>	tment of I Protection
				ll ll				

Please insert additional pages as applicable.

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API 47- 017	_ 06482	Farm	<sub>name</sub> Haess	ly Land δ	& Timber,	LLC Well	number_C	Oxf 97 E	3HS
PRODUCING	FORMATION	<u>(S)</u>	<u>DEPTHS</u>						
				TVD		MI	)		
				-3					
Please insert ac	iditional pages	as applicable.							
GAS TEST			□ Open Flow		OIL TEST	' □ Flow	□ Pump		
SHUT-IN PRE	SSURE Sur	face	_psi Bott	om Hole	ps	si DURA	TION OF	TEST	hrs
OPEN FLOW	Gas	Oil fpd	NGL		Water	GAS I	MEASUR mated =	ED BY	□ Pilot
LITHOLOGY/	ТОР	воттом	ТОР	вотто	мſ				
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN		RIBE ROCK TY			
	NAME TVD 0	TVD	MD 0	MD	TYPE	OF FLUID (FRI	ESHWATER	, BRINE, O	IL, GAS, H <sub>2</sub> S, ETC)
							_		
						<del></del> .			
			_						<del></del>
-									
			Ť						
						-			
Please insert ad	ditional pages	es annlicable							
Drilling Contra			ecision 543 Horiz	ontal Pig					
Address 13646					Charleston	State	PA/WV	Zip 1572	28-7815 / 25313
Logging Compa	any Baker Hu	ahes			-		_		
Address 400 To			City	Canonsb	urg	State	PA	Zip 153	17
Cementing Con	nnany Schlum	berger							
Address 4600			City	Canonsb	urg	State	PA	Zip 153	17
Stimulating Con	mpany								_
Address			City		<del>-</del>	State		Zip	
Please insert ad	ditional pages a	is applicable.							
Completed by	Dee Swige					none 724-82	20-3061		
Signature	Kel X	luger	Title F	Regulatory /			Date 01/0	09/2017	
Submittal of Hy	draulic Fractur	v ing Chemical I	Disclosure Info	rmation	Attach cor	py of FRAC	FOCUS R	egistry	

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J.		
Formations	Тор	Base
Shale and Sandstone	0	2123
Big Lime & Big Injun	2123	2323
Price	2323	2623
Shale and Sandstone	2623	2890
Fourth	2890	2907
Shale and Sandstone	2907	2982
Fifth	2982	2990
Shale and Sandstone	2990	3570
Speechley	3570	3601
Shale	3601	4107
Balltown A	4107	4132
Shale and Sandstone	4132	4321
Balltown B	4321	4378
Shale and Sandstone	4378	4366
Bradford	4366	4377
Shale and Sandstone	4377	4625
Riley	4625	4647
Shale and Sandstone	4647	5157
Benson	5157	5189
Shale and Sandstone	5189	5437
Alexander	5437	5484
Shale	5484	6474
Cashaqua	6474	6602
Middlesex	6602	6651
West River	6651	6727
Burkett	6727	6756
Tully Limestone	6756	6759
Hamilton	6759	6790
Marcellus	6790	6840
Onondaga	6840	

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