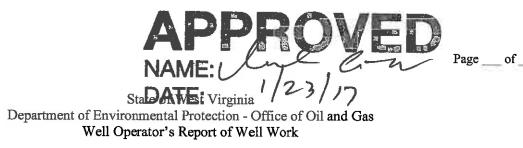
WR-35 Rev. 8/23/13



API <u>47</u> - 017 <u>06584</u> County C	oddridge	District West Union				
Quad Oxford Pad Name	ad Oxford Pad Name Oxf 97					
Farm name Haessly Land & Timber, LLC		Well Number Oxf 97 I	FHS			
Operator (as registered with the OOG) Noble Ene			<del></del> _			
1000 Noble Energy Drive	Cananah	State PA	Zip 15317			
The state of the s						
A Drilled location NAD 83/UTM Attach an	s-drilled plat, profile view	, and deviation survey				
Top hole Northing as drilled	plat to be submitted by CNX	Easting	<del></del>			
Bottom Hole Northing	The state of the s	Easting	<del> </del>			
		Edsting	-			
Address TOOU NODICE Energy Drive  City and the properties of Curve Northing Top hole Northing  Landing Fint of Curve Northing Top hole Northing  Bottom Hole Northing  GL Type of Type of Operation   Convert   Deepen   Drive Northing Type   Brine Disposal   CBM   Gas   Oil Type of Completion   Single   Multiple Fluid	Well ■New □ Existing	Type of Report ■Inte	erim □Final			
germic type Deviated   Horizontal	Horizontal 6A □ Vertic	al Depth Type 🗆 I	Deep  Shallow			
Tune of On Stine of Convert of Donor Dri	I - Blue Book T					
Type of Operation in Convert in Deepen in Dri	1 Dring Back DR	teanling   Rework   St	imulate			
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil	□ Secondary Recovery	□ Solution Mining □ Storage	□ Other			
Type of Completion □ Single □ Multiple Fluid	s Produced □ Brine □	Gas □ NGL □ Oil □ Otl	her			
Drilled with □ Cable ■ Rotary						
Drilling Media Surface hole ■ Air □ Mud □Fr	esh Water Intermedi	ate hole 🗏 Air 🗆 Mud 🗆 F	resh Water   Brine			
Production hole □ Air ■ Mud □ Fresh Water	□ Brine					
Mud Type(s) and Additive(s)						
Synthetic Oil Based						
Date permit issued11/17/2014 Date drilling	g commenced 01/02/2	2015_ Date drilling ceased	06/03/2015			
		activities ceased na				
Verbal plugging (Y/N) Date permission	granted	Granted by				
			<del></del>			
Please note: Operator is required to submit a plugging	application within 5 days	of verbal permission of plug	ECEIVED			
		Office (	of Oil and Gas			
Please note: Operator is required to submit a plugging  Freshwater depth(s) ft266',503',810'	Open mine(s) (Y/	N) denths	W			
Salt water depth(s) ft none noted for offset	S Void(s) encounter	red (V/N) denths	N 2017			
Coal depth(s) ft NA		tered (Y/N) dentes WV De	partment of			
Is coal being mined in area (Y/N)		tered (Y/N) depthvironme	Intal Des			
			Reviewed by:			

API 47- 017	7_ 06584		_ Farm nam	ıe_H	aessly La	nd & T	ïmber,	LLC Well	number_O	xf 97 F	HS
CASING STRINGS	Hole Size		asing lize	D		ew or Jsed	Grade wt/ft		sasket epth(s)		ent circulate (Y/ N) de details below*
Conductor	26"		20"			New	_	J-55	<del></del>	1	de detans below
Surface	17.5"	1	3 3/8"	222 2		New		J-55			Y
Coal											
Intermediate 1	12.38"		9 5/8"	298	38.9'	lew	НС	CK-55			N
Intermediate 2											
Intermediate 3											
Production	8-3/4" & 8-1/2"	į	5 1/2"	20,1	15.0'	vew	P-	110			Y
Tubing								-			<u> </u>
Packer type and d	lepth set										
Comment Details											
CEMENT DATA Conductor	Class/Type of Cement		Number of Sacks		Slurry wt (ppg)		/ield : ³/sks)	Volume (ft <sup>3</sup> )	Ceme Top (N		WOC (hrs)
Surface	T. m = 4 / Ol = =	- 0		+		<u> </u>	10		1-	_	
Coal	Type 1 / Clas	SA	830	$\rightarrow$	15.6	1 1	.18	979.4	18.	5	8
Intermediate 1	Tuno 1 / Class	- A	ntnnn (4) 44	05	45.0	01	(4) 4 40	4440.4			
Intermediate 2	Type 1 / Clas	SA	stage (1) 11	95	15.6	Stage	(1) 1.18	1410.1	18.	5	8
Intermediate 3				-		-					
Production	Type 1 / Clas	Λ .	L and 030 Tell 41	720	44.5	[ I.4 F	0 = 11 + 0 =	T-+-1 0050	0 40	- +	
Tubing	Type 17 Clas	3 /	Lead 930 Tail 1	20	14.5	iead 1.5	8 Tail 1.27	Total 3653.	8 18.	.o	8
Drillers TD (fi	-) 20115'				Τ.		D (0) 200	1			
,	tion penetrated	Marce	ellus				D (ft) 200	700	· · · · · · · · · · · · · · · · · · ·		
_	cedure				110	g vack					
Kick off depth	(ft) 6211'										
Check all wire	line logs run		□ caliper □ neutron			deviate gamma	ed/directi ı ray		uction nperature	□sonic	
Well cored [	Yes □ No		Conventiona	d	Sidewall		W	ere cuttings o	ollected =	Yes □	No
DESCRIBE T	HE CENTRALI	ZER ers on In	PLACEMEN	T US	SED FOR EA	CH CA	SING ST	TRING No c	entralizers use	ed on cond	uctor.
370 Centralizers o	n Production String (r	igid bo	w string every joir	t to K	OP, rigid bow spr	ing every	third joint fro	m KOP to top of	cement).		
										RECE	:IV/6/17
WAS WELL (	COMPLETED A	SSE	OT HOLE		es ▮ No	DE	TAILS		Offic		il and Gas
		~ ~ .								JAN 1	7 2017
WAS WELL (	COMPLETED C	PEN	HOLE?	Yes	■ No	DETA	AILS _		wv	_	irtment of
WERE TRAC	ERS USED 🗆	Yes	■ No	ТҮР	E OF TRAC	ER(S) I	ISED				al Protection

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Page	of

API 47- 017 - 06584

Farm name Haessly Land & Timber, LLC Well number Oxf 97 FHS

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)			
	well not complete			3				
					·			
i .								
7			-					
				İ				
	-							
					•			

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)
-								
	r .							
<u> </u>					1			
-			<del></del>		<u> </u>		-	
		-			ii .			<u> </u>
	5				1		RECEI	/FD
	l li					Offi	ce of Oil	/ED and Gas
	3						JAN 1 7	2017

Please insert additional pages as applicable.

WV Department of Environmental Protection

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API 47- 017	_ 06584	1	_ Farm	name_	Haessl	y Land a	& Ti	mber, L	LC_Well	number_	Oxf 97 I	FHS	
PRODUCING	<u>FORMAT</u>	ION(S)		DEPT	<u>HS</u>								
						TVD			MD	l			
			_						1.12				
			-										
Please insert ac	lditional na		uliophia				_						
riease insert ac	iditional pa	ges as ap	piicable.										
GAS TEST	□ Build up	□ Dra	wdown	□ Ope	n Flow		OI	L TEST	Flow	□ Pump			
SHUT-IN PRE	SSURE	Surface		psi	Botto	om Hole_	-	psi	DURA	TION O	F TEST	h	rs
OPEN FLOW	Gas	mcfpd	Oil		NGL	_ bpd			GAS I	MEASU mated	RED BY □ Orifice	□ Pilot	
LITHOLOGY/	TOP	τ	воттом	-	гор	вотто	N 4						
FORMATION	DEPTH IN		PTH IN FT					DESCRIBI	E ROCK TY	PE AND E	RECORD QU	ANTITYAN	ID.
	NAME T		TVD		MD	MD					ER, BRINE, C		
	0				0								
				1							_		
	<u> </u>			-						<del>.</del>	_		
		<del>-  -</del>							-	<u>.</u>			
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				1									
										·			
Please insert ad	ditional pa	ges as ap	plicable.										
Drilling Contra	ctor Whipsto	ock 23 Top	Hole &/ P	recision	543 Horizo	ontal Rig							
Address 13646	Route 403 l	Hwy N / 5	400D Big	Tyler Ro	City	Clymer /	Cha	rleston	State	PAW	V Zip 157	28-7815 / 2	25313
Logging Compa	<sub>anv</sub> Baker	Hughes											
Address 400 Te					City	Canonsi	burg		State	PA	Zip 153	17	
<i>a</i> :: <i>a</i>	Sch	lumboro	0.5				•						
Cementing Con Address 4600	npany <u>Stri</u> I. Barry Ct.	Suite 20	) GI		City	Canonsi	Dura		State	PA	z: 153	17	
Address 1000 c	. Duity Ou,	00110 20			_ City	Odilonsi	July		State		PEC	EIVEL	)
Stimulating Co.	mpany									0	ffice of		
Address	11.4				_ City				State		Z1p	_	
Please insert ad	citional pag	ges as app	piicable.								JAN	<b>1 7</b> 2017	7
Completed by	Dee Swig	er						Telephor	<sub>1e</sub> 724-82	20-3061	A07 P	_	
Signature	dee 1	luge	υ		Title R	Regulatory	Anal	yst, IIÎ		Date 0	<b>₩</b> 2 <b>9</b> 9	artmer	nt of
Submittal of Hy	/draulic Fra	octuring (	Chemical :	Disclos	ure Info	rmation	Δí	tach conv	of FRAC	FOCUS.	⊓OHM <b>⊝ľ</b> Registry	ital Pro	tection

Oxf 97		
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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