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

API <u>47-017-06578H6A</u> County <u>Doddridge</u>	District Southwest
Quad New Milton 7.5' Pad Name OXFD13F	IS Field/Pool Name Oxford
Farm Name I. L. MORRIS	Well Number OXFD13EHS
Operator (as registered with the OOG) CNX Gas Compa	ny LLC
Address P.O. Box 1248 City Jan	ne Lew State WV Zip 26378
As Drilled location NAD 83/UTM Attach an a Top Hole Northing 4,335 Landing Point of Curve Northing 4,335 Bottom Hole Northing 4,336	,940.4 m Easting 522,218.2 m
Elevation (ft) 1180' GL Type of Well	■ New □ Existing Type of Report □ Interim ■ Final
Permit Type □ Deviated □ Horizontal ■ Horizont	al 6A □ Vertical Depth Type □ Deep ■ Shallow
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ Redrilling □ Rework ■ Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas ■ Oil	□ Secondary Recovery □ Solution Mining □ Storage Other
Type of Completion □ Single □ Multiple I	Fluids Produced Brine Gas NGL Oil Other
Drilled with □ Cable ■ Rotary	
Drilled Media Surface hole ■ Air □ Mud ■ Fresh Water □ Mud Type(s) and Additive(s) Mineral Oil Based Mud, Bactericide, Polymers and Weight	Brine
Date Permit Issued11/12/2014 Date drilling co Date completion activities beganN/A (Completion has not beg	gun.) Date completion activities ceased
Verbal plugging (Y/N) Date permissio	n granted N/A Galliony of Oil and Gas
Please note: Operator is required to submit a plugging app	plication within 5 days of verbal permission to plug R 2 1 2016
Freshwater depth(s) ft 290	Open mine(s) (Y/N) depths WV Department of Envisionmental Protection
Salt water depth(s) ft <u>2175, 2510</u>	Void(s) encountered (Y/N) depths N
Coal depth(s) ft 195, 294, 1650	Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N	

Reviewed by:

Gerr, Kevin

AXWS 03/31/16

Environmental Protection

N/A (Well has not been completed.)

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WERE TRACERS USE

□ Yes ■ No

API <u>47-017-0</u>	6578H6A	Farm name	I. L. MORRIS		Well	numbe	er <u>OX</u>	FD13EHS		
CASING	Hole	Casing		New or	Grade		Bas	sket Did	cement Circulate	e (Y/N)
STRINGS	Size	Size	Depth	Used	wt/ft		Dep	th(s) * Pro	vide details to th	e right *
Conductor	26"	20"	85'	N	J-55 94# /	85'	N	/A	N (grout)	
Surface	17 1/2"	13 3/8"	1150'	N	J-55 54.5# / 1	1150'	N.	/A	Y	
Coal	-	-	-	-	-			-	-	
Intermediate 1	12 1/4"	9 5/8"	2894'	N	J-55 36# / 2	894'	N	/A	Y	
Intermediate 2	-	-	-	•	-			-	-	
Intermediate 3	-	-	-	-	•			-	-	
Production	8 3/4" & 8 1/2"	5 1/2"	13680.1'	N	P-110 20# / 13	680.1'	N.	/A	Y	
Tubing	N/A (Tubing	has not been	run.)	-	-			-	-	
Packer Type at	nd Depth Set	None			L					
Comment Deta	ils									
CEMENT DATA	Class/ of Cer	• •	Number of Sacks		Slurry wt (ppg)		eld 3/sks)	Volume (ft 3)	Cement Top (MD)	WOC (hrs)
Conductor	Class	5 A	675		15.60	15.60 1.22 82		820	0'	24
Surface	Class	s A	845		15.60 1.19 100:		1005.55	0'	8	
Coal	-		-		-		-		-	-
Intermediate 1	Class	3 A	920		15.60	1.	20	1104	0'	8
Intermediate 2	-		-		-	1	-	-	-	
Intermediate 3	-		-		•		•	-	-	-
Production	Class A (Lead) /	Class A (Tail)	1283 / 1378		14.20 / 14.79	1.24	/ 1.23	1590.92 / 1694.9	4	8
Tubing	N/A (Tubin	g has not	been run.)		-	.		-	-	
Drillers TD (ft)	6372'				Loggers TD	(ft) 7	 047'			
Deepest formation	on penetrated:	Marcellus			Plug back to	(f) N	 //A			
Plug back proceed						(ii) <u>i</u>				
Kick Off Depth ((ft) 6372'									
Check all wireling	ne logs run		□ density ■ d							
		□ neutron	□ resistivity	□ gamm	a ray □ tem	peratur	e □s	onic		
Well Cored 🗆	Yes □ No	□ Conver	ntional Side	ewall		Were C	Cuttings	s Collected [□ Yes □ No	
Conductor - No o	centralizers use	d. Fresh Water	NT USED FOR E - Bow spring cent fourth joint to 10	ralizers o	n first joint th	en ever	-4- D		1!	
two joints and ev (free floating) thr	ery fourth joint rough the latera	until inside sur l and the curve.	face casing, Prod (Note: cementin	uction - R g the 5 1/2	igid bow spri 2" casing con	ng cent	ralizer in ope	on first joint the hole lattral of	nen every 2 casin	g joints
WAS WELL CO	MPLETED AS	SHOT HOLE	□ Yes ■ No	DE	TAILS N/	A (Well	nas no	ot been comple	AR 2 1 2016	
WAS WELL CO	MPLETED OF	PEN HOLE	□ Yes ■ No	DE	ETAILS N/A	A (Well	has no	Environ	ental Prote	Of
								01111	ental prote	

TYPES OF TRACER(S) USED

API <u>47-017-06578H6A</u> Farm name <u>I. L. MORRIS</u>

Well number OXFD13EHS

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number Of Perforations	Formation(s)
			10.0	Citorations	· ormation(o)
			Well		
			has not been		
			completed.		
			Formations		
			have not been		
			perforated.		
			<u>-</u>		
				+	

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Avg Pump Rate (BPM)	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen / other (gals)
<u> </u>								
				Well				
				has not been				
				completed.	· · · · · · ·			
				No				
				stimulation	,, -		i.e.	
				has occurred.		Offic	HEGEIVE OF OIL &	 šB
							A OLOIL	nd Gas
							MAR 21 20	10
						WV	Departme mental Pro	10
						Environ	ment	nt of
							THE PROPERTY	tection

Please insert additional pages as applicable.

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API <u>47-017-06578</u> I	<u>I6A</u> Farm na	me <u>I. L. MORR</u>	<u>us</u>	Well num	ber <u>OXFD13EHS</u>	
PRODUCING FORM	ATION(S)	DEPTHS				
N/A (Well has not been	n completed.)	*	TVD		MD	
No producing for	mation(s)				_	
		·			_	
Diana in and additional						
Please insert additional						
GAS TEST □ Build	•	n □ Open Flow	OIL TE	ST □ Flow	□ Pump	
SHUT-IN PRESSURE	Surface N/A	A psi Bott	om Hole <u>N</u>	V/A psi D	URATION OF TEST_	N/A hrs
OPEN FLOW Gas N/A	S Oil A mcfpd N/A	NGI bpd <u>N/A</u>		/ater <u>V/A</u> bpd	GAS MEASURED □ Estimated □	BY □ Orifice □ Pilot
LITHOLOGY / FORMATION	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	TYF	PE AND RECORD QUANTITY PE OF FLUID R,BRINE,GAS,H2S, ETC)
					1	
					SEE A	ATTACHED
Please insert additional	pages as applicable					
		•				
Address 207 Carlton	Patterson Dr		City Eight	y Four	State PA	Zip <u>15330</u>
Logging Company			City Light	y I Oui	State IA	Zip <u>13330</u>
Address			City		State	Zip
Cementing Company	Allied				Office of	MINGEL
Address 333 Techno	logy Drive, Suite 29	00	City Cano	nsburg	State PA	Oll dipulo 475
Stimulating Company]	N/A (Formations hav	ve not been perfor	ated or stimulate	ed.)	MAR	21 2010
Address <u>N/A</u>			City N/A		State N/A	Zip N/A
Please insert additional	pages as applicable.				Environman	Irtment of
Completed by CNX Ø	as WV Operations C	ompany, LLC - D	rilling and Com	pletions	Environment Telephone	al Protection
Signature Ste	Spille	_		pletions Manage	er-Gas WV	Date <u>3/18/16</u>
Submittal of Hydraulic 1	Fracturing Chemical	Disclosure Inforr	mation			RACFOCUS Registry

API 47-017-06578H6A

Farm name I. L. MORRIS

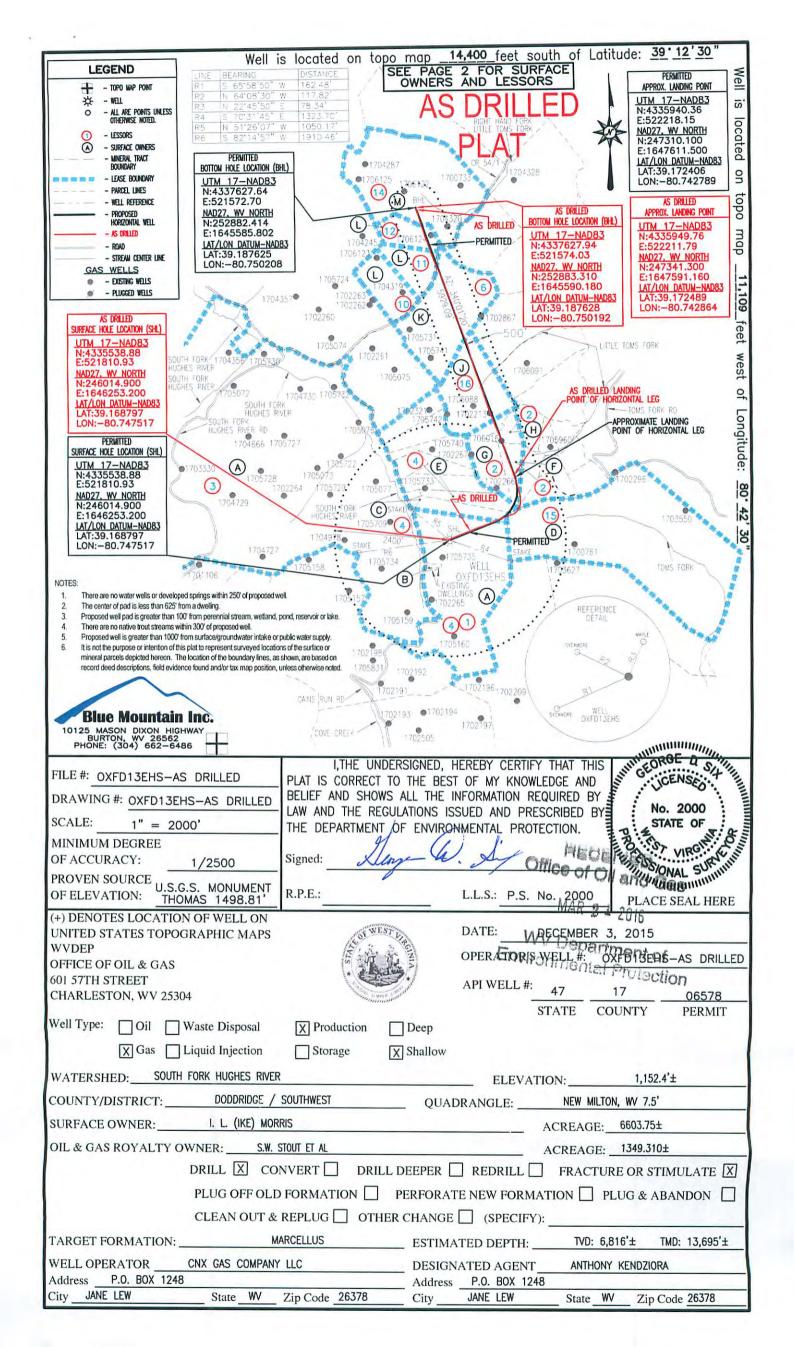
Well number OXFD13EHS

LITHOLOGY / FORMATION	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY TYPE OF FLUID (FRESHWATER,BRINE,GAS,H2S, ETC)
FILL	0	105			
WHITE SHALE	105	195			
COAL	195	225			
SAND/LIGHT SHALE/COAL	225	475			
SAND/SHALE/REDROCK	475	600			
SAND/REDROCK	600	690			
SAND	690	800			
WHITE SHALE	800	950			
SHALE/SAND	950	1100			
SHALE	1100	1600			
SHALE/SAND/COAL	1600	1883			
SHALE/LITTLE LIME	1883	2000			
LITTLE LIME	2000	2041			Light Gray
BIG LIME	2050	2142			Light Gray/Brown
BIG INJUN	2184	2250			Light Gray
WEIR SAND	2309	2510			Gray
GORDON SAND	2794	2802			Med Gray
BENSON SAND	5054	5097			Med/Dark Gray
ALEXANDER SAND	5302	5405			Med/Dark Gray
RHINESTREET SHALE	5576	6668			Dark Gray
MIDDLESEX SHALE	6669	6795			Dark Gray
BURKET SHALE	6795	6841			Black
TULLY LIMESTONE	6841	6862			Light Gray
HAMILTON SHALE	6862	6894			Light/Med Gray
MARCELLUS SHALE	6894	6951			Black
ONONDAGA LIMESTONE	6951	7000			Light Brown
HUNTERSVILLE CHERT	7000	7047			Light/Med Gray
TD PILOT	7047				

Omoe of Oil and Gas

MAR 2 1 2016

WV Department of Environmental Protection



OXFD13EHS PAGE 2 OF 2 AS DRILLED PLAT

	PERMITTED
S	URFACE HOLE LOCATION (SHL)
	UTM 17-NAD83
ľ	N:4335538.88
	E:521810.93
	NAD27, WV NORTH
	N:246014.900
١	E:1646253.200
	LAT/LON DATUM-NAD83 LAT:39.168797
	LON:-80.747517

PERMITTED APPROX. LANDING POINT
UTM 17-NAD83
N:4335940.36
E:522218.15
NAD27, WV NORTH
N:247310.100
E:1647611.500
LAT/LON DATUM-NAD83
LAT:39.172406
LON:-80.742789

PERMITTED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4337627.64
E:521572.70 NAD27, WY NORTH N:252882.414
E:1645585.802 LAT/LON DATUM-NAD83
LAT:39.187625 LON:-80.750208

AS DRILLED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83 N:4335538.88 E:521810.93	
NAD27, WY NORTH N:246014.900 E:1646253.200	
LAT/LON DATUM-NAD83 LAT:39.168797 LON:-80.747517	

as drilled Approx. Landing point
UTM 17-NAD83
N:4335949.76 E:522211.79
NAD27. WV NORTH
N:247341.300
E:1647591.160
LAT/LON DATUM-NAD83 LAT:39.172489
LON:-80.742864

AS DIGITED
BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83
N:4337627.94
E:521574.03
NAD27, WV NORTH
N:252883.310
E:1645590.180
LAT/LON DATUM-NAD83
LAT:39.187628
LON:-80.750192

	SURFACE OWNER	DIST-TM/PAR
A	I. L. (IKE) MORRIS	7-10/2
В	JERRY L. & SHARON LEGGETT (SURV)	7-15/3.1
С	TYLER GARRETT BUNTING	7-15/1
	C/O LENORA BUNTING	
D	I. L. (IKE) MORRIS	6-18/2
E	LINEY MCKINNEY	7-15/1.6
F	CHARLES ALAN SCHNEIDER	6-18/1.5
	C/O CHARLES SCHNEIDER	
G	CHARLES ALAN SCHNEIDER	6-18/1.6
Н	CHARLES A. SCHNEIDER	6-18/1.4
J	DEBRA KAY HUDAK	6-14/17
K	DEBRA KAY HUDAK	7-11/6
L	KEY OIL COMPANY	7-11/1
М	GREGORY B. & DEBRA A. REDIFER (SURV)	6-14/1

DADOEL	LECCOR	
PARCEL	LESSOR	
1,3,4, 15&16	S.W. STOUT, ET AL	
2	CLARENCE E. SIGLEY, TRUSTEE	
	J.P. MORGAN CHASE BANK, N.A.	
	TRUSTEE OF S.A. SMITH & C. BURKE MORRIS, TRUST	
	J.P. MORGAN CHASE BANK, N.A,	
	TRUSTEE OF THE WILL E. MORRIS, TRUST	
	DORIS J. FLINT	
	STEVEN GERARD HORAK	
	BETTY BOOTH RADER	
	RICHARD E. RADER	
	WAYNE E. RADER, ET UX	
	PAMELA K. CORNELL	
	DOUGLAS SMITH, INDIVIDUALLY & AS CO-EXECUTOR OF THE	
	ESTATE OF FREDA WYLENE SMITH, DECEASED, &	
	PATRICIA SMITH, HIS WIFE	
	DOUGLAS SMITH, INDIVIDUALLY & AS CO-EXECUTOR OF THE	
6	ESTATE OF FREDA WYLENE SMITH, DECEASED &	
	JO BETH SMITH, HIS WIFE	
	PAUL MANLEY	
	DENISE HOWARD, ET VIR	
	WILLIAM GREENLEAF, ET UX	
	ED HUDAK	
	PAULINE SUMMERS	
	GENEVIEVE SUMMERS	
	MARY LOU GEISLER, AIF FOR KATHLEEN SUMMERS	
	HUBERT C. GAINER	
	M.L. HARDING	
	PEGGY YOUNG BATTEN	
	CLARENCE F. GAINER	
	JACQUELINE GAINER	
	HERBERT A. DARNELL	
	WILLIAM GAINER	
	ROBERT GAINER	
	LUCILLE BOLTE	15-4
	STEVE BOLTE	HELENVEL
	KATHRYN SUMMERS	IICO OF CHILLED
	CECIL ROBINSON	Of Ollands
	J.P. MORGAN CHASE BANK, N.A,	fice of Oil and Gas
		MAR 2 1 2015
	J.P. MORGAN CHASE BANK, N.A,	2 4 2018
	TRUSTEE OF THE WILL E. MORRIS, TRUST	-010
	CHAD W. JOHNSON	Department of
	JAMES D. POWELL, II	Department of Imental Protection
	CYNTHIA FAYE POWELL	mental of
10 11	LINDA FREDERICK LESLIE FREDERICK	relational
	ENMANUEL LUTUEDAN CHUDCH	clion
12&14		
	VADA BARNETT	
	JO ANN B. WATERS, ET VIR.	
	UDELLA MAE PROUDFOOT BARNETT	
	LESLIE FREDERICK, AIF FOR BETTY J. BARNETT	
	GENEVIEVE STOUT SUMMERS	
	KATHLEEN C. SUMMERS, BY MARY LOU DEISLER HER AIF	
	KATHRYN SUMMERS	
	PAULINE SUMMERS	

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FRAC FOCUS REGISTRY

API <u>47-017- 06578H6A</u>

Farm Name <u>I.L. MORRIS</u>

Well Number OXFD13EHS

Frac Focus Registry – Not Available – Formations have not been perforated or stimulated