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

API <u>47-017-06457H</u>	6A County	Doddridge	District	Southwest
Quad New Milton 7.5	Pad Name	OXFD13HS	Field/Pool Name	
Farm Name I. L. MORR	US		Well Number OX	
Operator (as registered with	the OOG) CNX	Gas Company LLC		
Address P.O. Box 1248		City Jane Lew	State WV Z	ip 26378
Landing Point of Botton  Elevation (ft) 1180'  Permit Type   Deviated  Type of Operation   Con  Well Type   Brine Dispos  Type of Completion   Sin  Drilled with   Cable    Drilled Media Surface hole	p Hole North Curve North n Hole North GL Type Horizontal Vert Deepen al CBM Ggle Multiple Rotary Air Mud Mud Fresh	ing 4,335,536. m ing 4,335,692. m ing 4,339,041. m of Well New 1 Horizontal 6A Drill Plug I as Oil Second Fluids Prod	Easting 521,579. m Easting 520,297. m  Existing Type of Report Type of Report Type  Back Redrilling Reversely Solution Mills Solution Mills Recovery Gas Gas No.	ort Interim Final  Deep Shallow  Stimulate  ning Storage Other
Mud Type(s) and Additive(s	•			
Mineral Oil Based Mud, Bac  Date Permit Issued04/  Date completion activities be  Verbal plugging (Y/N)	15/2014 Date	drilling commenced	05/17/2015 Date dri Date completion activities cea	illing ceased 07/23/2015 used N/A Granted by N/A
Please note: Operator is req	uired to submit a p	ugging application w	ithin 5 days of verbal permissi	on to plug
Freshwater depth(s) ft	290	Open r	mine(s) (Y/N) depths	N
alt water depth(s) ft	2175, 2510	Void(s	encountered (Y/N) depths	N
Coal depth(s) ft	294, 1650	Caverr	n(s) encountered (Y/N) depths	N
s coal being mined in area (	Y/N) N		54 - C. A. L. D A. Shade	
				Reviewed by:
				Gorr, Kevin

API 47-017-06457H6A Farm name L.L. MORRIS

Well number OXFD13BHS

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement Circulate (Y/N)
Conductor	26*	20-	88.5	N	J-55 94# / 88.5°	N/A	Provide details to the right     N (grout)
Surface	17 1/2*	13 3/8*	1085.9	N	J-55 54.5# / 1085.9*	N/A	V Quality
Coal	•	•	•	<b>-</b>		•	•
Intermediate 1	12 1/4"	9 5/8"	2848.7	N	J-55 36# / 2848.7	N/A	<del></del>
Intermediate 2	•			<del></del>			
Intermediate 3		•			<del></del>	<u>-</u>	<u> </u>
Production	8 3/4" & 8 1/2"	5 1/2*	12391'	N	P-110 20# / 12391*	N/A	· ·
Tubing	N/A (Tubing	has not been	run.)	+ :-		- IVA	Y
Packer Type an	ed Depth Set	None					·

CEMENT Class/Type Number Slurry Yield Volume Cement WOC DATA of Cement of Sacks wt (ppg) (ft 3/sks) (ft3) Top (MD) (pre) Conductor Class A 675 15.60 1.22 820 24 Class A Surface 820 15.66 1.20 984 0 8 Coal • Intermediate 1 Class A 980 15.60 1.18 1156,4 C, 8 Intermediate 2 Intermediate 3 Production Class A (Load) / Class A (Tail) 958 / 1242 14.20 / 14.80 1.24/1.23 1187.92 / 1527.60 8 Tubing N/A (Tubing has not been run.) Drillers TD (ft) 6175 Loggers TD (ft) 7047 Deepest formation penetrated: Marcellus Plug back to (ft) N/A Plug back procedure: N/A Kick Off Depth (ft) 6175' Check all wireline logs run □ caliper □ density ■ deviated/directional □ induction ☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic Well Cored □ Yes □ No □ Conventional □ Sidewall Were Cuttings Collected □ Yes □ No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Conductor - No centralizers used. Fresh Water - Bow spring centralizers on first joint then every fourth joint to 100 feet from surface. Coal -Bow spring centralizers on first joint then every fourth joint to 100 feet from surface. Intermediate - Bow spring centralizers one on the first two joints and every fourth joint until inside surface casing. Production - Rigid bow spring centralizer on first joint then every 2 casing joints (free floating) through the lateral and the curve. (Note: cementing the 5 1/2" casing completely in open hole lateral and curve.) WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ■ No DETAILS N/A (Well has not been completed.) ...\_\_\_. . . \_\_\_. WAS WELL COMPLETED OPEN HOLE □ Yes ■ No DETAILS N/A (Well has not been completed.) WERE TRACERS USE ☐ Yes ■ No TYPES OF TRACER(S) USED N/A (Well has not been completed.)

API 47-017-06457H6A Farm name L.L. MORRIS

Well number OXFD13BHS

#### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number Of Perforations	Formation(s)
		1		<del>                                     </del>	
				<del></del>	
				<del>                                     </del>	
		†	Well	<del> </del>	
			has not been	<del></del>	
			completed.		
			Formations	<del></del>	
			have not been	<del> </del>	
			perforated.	<del></del>	
			·		<del></del>
		1		<del> </del>	
			<del></del>		
		<del> </del>		<del> </del>	
		L			

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	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen / other (gals)
	- · - · - · · · · · · · · · · · · · · ·							
	<del></del>							
	<u> </u>			Well				
				has not been			· ·	
				completed.				
				No	-			
				stimulation				
				has occurred.			ĺ	i
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						· · · · · · · · · · · · · · · · · · ·		
				<del></del>				·

Please insert additional pages as applicable.

Attach copy of FRACFOCUS Registry

API <u>47-017-06457H</u>	6A Farm na	me <u>I. L. MORR</u>	<u>us</u>	Well num	ber <u>OXFD13BHS</u>	03/18/2019
PRODUCING FORMA	TION(S)	DEPTHS			<b></b>	
N/A (Well has not been	completed,)		TVD		MD	
No producing form	ration(s)					
					<del></del>	
					<del></del>	
Please insert additional p	ages as applicable	s.			<b></b>	
GAS TEST D Build u	p 🗆 Drawdow	n 🗆 Open Flow	OIL TE	ST O Flow	O Pump	
SHUT-IN PRESSURE	Surface N/A	psi Botto			URATION OF TEST_	N/A hrs
OPEN FLOW Gas N/A	Oil - mcfpd <u>N/A</u>	NGI bpd <u>N/A</u>	• • • • • • • • • • • • • • • • • • • •	ater VA bpd	GAS MEASURED	
LITHOLOGY / FORMATION	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	TYP	PE AND RECORD QUANTITY BE OF FLUID LBRINE,GAS,H2S, ETC)
				,		
			<del>-</del>	 		
					SEE A	ATTACHED
						<u></u>
<u> </u>						
Please insert additional pa	ages as applicable.	l				
	itterson					
Address 207 Carlton E			City Eight	y Four	State PA	Zip 15330
Logging Company						
Address			City		State	Zip
Cementing Company Al						
	gy Drive, Suite 29			nsburg	State PA	Zip <u>15317</u>
Stimulating Company N/ Address N/A	A (Formations hav	e not been perfora			Canar No.	
Please insert additional pa	ges as applicable		City N/A		State N/A	Zip <u>N/A</u>
Completed by CNX/Gas	WV Operations C					304-884-2000
Signature Delle	spello	Title Stev	e Spitler - Com	pletions Manage	r-Gas WV	Date 3/18/15

Title Steve Spitler - Completions Manager-Gas WV

Submittal of Hydraulic Fracturing Chemical Disclosure Information

API 47-017-06457H6A

Farm name I. L. MORRIS

#### Well number OXFD13BHS

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
FILL	0	50	1110	IVID	(FRESHWATER,BRINE,GAS,H2S, ETC)
SAND/SHALE	50	100	DESCRIPTION OF THE PARTY OF THE	A STATE OF	
SHALE	100	150			
SAND/SHALE	150	250		-	District Control of the Control of t
REDROCK/COAL	250	300			
SHALE/REDROCK	300	350			
SHALE	350	400			
SAND/SHALE	400	450			
SHALE	450	500			
REDROCK/SHALE	500	600			
SHALE/SAND	600	650	-		
SAND	650	750			
SHALE	750	850			
SAND	850	950	-		
SHALE/REDROCK	950	1000			
REDROCK	1000	1050			
SHALE	1050	1100			
SAND	1100	1200			
SHALE	1200	1300			
SAND	1300	1500			
SHALE	1500	1600			
SAND/COAL	1600	2000			
LITTLE LIME	2000	2041			Light Gray
BIG LIME	2050	2142			Light Gray/Brown
BIG INJUN	2184	2250			Light Gray
WEIR SAND	2309	2510	2475		Gray
GORDON SAND	2794	2802	37		Med Gray
BENSON SAND	5054	5097	12 1000		Med/Dark Gray
ALEXANDER SAND	5302	5405	791		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		17.19	Black
ONONDAGA LIMESTONE	6951	7000			Light Brown
HUNTERSVILLE CHERT	7000	7047			Light/Med Gray
TD PILOT	7047				H-24D-H-C

AS DRILLED Well	is located on topo m	ap _14,440_feet	south of Latitu	de: 39'12'30" ≤	5
TO BI (ILLED )	. 8	OTTOM HOLE LOCATION (SHL)	SURFACE OWNER L. L. (IKE) MORRIS	7-10/2	94
IPLAT \	1	B	JERRY L. & SHARON LE	10001 (SORY) 7-15/3.1	
-CIS:	-500/	MD27, WY NORTH	LINEY MCKINNEY	HORINEY (SURY) 7-15/1.1  7-15/1.6  BAKER (SURY) 7-15/1.5  ULLEN (SURY) 7-15/1.3	
(DE BE-POS   DETAKE   :	Annuage !	1:257590.000 G 1:1641476.000 H	KEVIN L. & TERESA A. M. KEVIN L. & TERESA A. M.	III I FM /CIRVA 17-15/12	
FI 1 1750'08 N 7015		AT:39.200392	ROBERT K. SWIGER BLUW L JOES BUST C/S KRIET ROBERT K. SWIGER		
Pa 5 38 27 1 2 1623 64	PERMITTED	ON:-80.764939	MY REVIOUS TRUST-DESPTO SUSAN V. DRENNAN 1/2	TRUST 1/2 MT.  7-11/5	
PE 1: 4806/10 0 99672 10198	1		PERFFENCE		
107259		1	00141	PERMITTED SONT	1
BOTTOM HOLE LOCATION (BML)	1784287 1766125 176	17/0-17	G E	UTM 17-NAD83	:
UTM_17-NAD83 N:4337098,71	(A)		* / ·	E:521579.00	2
E:521031.46 NAD27, NV MCRIH	1704245	1701200		F4645504 000	
N:251176.350 E:1643780.740	1		out the	LAT:39.170181	
LAT:39.182572	NOTE TO SECUL	мотех		LON:-80.750194 & 0	
LON:-80,755492	C1761	proposed and	a devektini garap vitra 201 d Khap vitra 621 d pazavni vok	ATTACK LAKING FORT	
PLACEES ELLEF	(B) (A) (A)	<ol> <li>Proposed net is greater point, meanor or late.</li> </ol>	tran 102 from powerrial stream, wellerst streams within 202 of concessional	N.ATTECCT 40	
LEGEND (A)	(7)	5 Proposed well is greater with a or public water as	tran KOO from automotyrcumbenter 17g.	N:246448,991 E:1645524,821 LAT:39 169961	
- 10PO WP FORT	(NO226)	locations of the surface of	fortion of the plot to represent authorist or mineral parcels deplaced horson. The fires, as shown, are based on record-deed	E:1645524.821	
C - N POPUL WEESS	(3) (70%)	theorytics, feldericin of severated	se found and/or law map position, unless	LON	4
O - LESSORS - COLLEGE CONTROL	AS DIRECTOR	7. The center of pad a least	THE ROLL OF THE RO	PERMITED	• 1
- MEAL TRACT BOUNKY		China Ishir	-1	SUFFACE HOLE LOCATION (SH.)	-1
*** - LEASE BOUNDARY 170 FEE 1	PERMITTED	0	1105960	N:4335536.00 E:521793.00	2
- NEIT KELENOGE	010	0	Ö.	N-245006.000	1
- PROPOSED HORIZONTAL WELL		AS DRAILED 1702264	(E):	E:1646194.000 LAT/10N DATUM-NAD83	1
- AS DRILED APPROXIMATE	· · · · · · · · · · · · · · · · · · ·	***********	<b>(</b>	LAT:39.168772 LON:-80.747725	1
- ROAD - STREAM CENTER LINE POINT OF HE	DRIZONTAL LEG 1701978	1	-1:00761	AS DELED	1
GAS WELLS		90-	100	SUPPLIE HOLE LOCATION (SNL)  LITH. 17-NAD83	1
Ø - PLUCCED VELLS	(B)	WELL OF TO LIBERTY	(1.5/6)	N:4335536.00 E:521793.00	1
	ORIZONTAL LEG TRANSPORT AND PRICE! THE	ENERGING STREET	1.1	NA027, WY NORTH N:246006.000 E:1646194.000	1
Blue Mountain Inc.	1705508	· · · ·	· v	LAT/LON DATUM-NADES LAT:39.168772	1
10125 MASON DIXON HIGHWAY - 1,3,4, \$W.	1707138	J U1:051€0	●JT03825	LON:-80.747725	1
PHONE: (304) 662-6488	Y CHOWA E WE EA	GNED, HEREBY CERT	TEV TUAT TUIC I	TOROE O STATE	4
FILE #: OXFD13BHS-AS DRILLED	PLAT IS CORRECT TO T		WLEDGE AND	No. 2000	
DRAWING #: OXFD13BHS-AS DRILLED	BELIEF AND SHOWS AL		REQUIRED BY	No. 2000	
SCALE: 1" = 2000'	THE DEPARTMENT OF		OTECTION 3	STATE OF	#
MINIMUM DEGREE	91	(1) 1		B. Thy WROTH P	
OF ACCURACY: 1/2500	Signed:	ye W. Sy	1	TO VIRGINIA	
PROVEN SOURCE U.S.G.S. MONUMENT THOMAS 1498 81'	R.P.E.:	LLS: PS	. No. 2000	Mannana Manna Mannana Mannana Mannana Mannana Mannana Mannana Mannana Mannana	
OF ELEVATION: THOMAS 1498.81' (+) DENOTES LOCATION OF WELL ON			. No. 2000	PLACE SEAL HERE	4
UNITED STATES TOPOGRAPHIC MAPS	OF WEST VI	DATE:	DECEMBER 3,	2015	
WVDEP		OPERATOR	S WELL #: OXF	D13BHS-AS DRILLED	
OFFICE OF OIL & GAS 601 57TH STREET		API WELL		Z 24.63	1
CHARLESTON, WV 25304		7111 (7 202	4/	7 06457	-
Well Type: Oil Waste Disposal	Production	Deep	STATE COL	NTY PERMIT	
☐ Gas ☐ Liquid Injection		Shallow			1
WATERSHED: SOUTH FORK HUGHES RIVE			LITTON:	1,180'	
20,000,000,000,000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ATION:	74.7.	1
COUNTY/DISTRICT: DODDRIDGE /	SOUTHEST	QUADRANGLE: _			-
SURFACE OWNER: I.L. MORRIS	H #		ACREAGE:		
OIL & GAS ROYALTY OWNER: SW. STOUT				1427±, 236±, 417±, & 340±	=
	ONVERT DRILL DE				1
	D FORMATION PE			UG & ABANDON	
	REPLUG OTHER C				-
TARGET FORMATION:	WARCELLUS	ESTIMATED DEPTH	I:TVD: 6,764'±	TMD: 12,414'±	-
WELL OPERATOR CNX GAS COMPAN	IY, LLC.	DESIGNATED AGE		KENDZIORA	-
Address P.O. BOX 1248 City JANE LEW State W	Zip Code 26378	Address P.O. BOX  City JANE LEW	1248 State W	Zip Code 26378	-
City State IIV	Zip Code Zoord	City WHE LET	State HV	Zip Code Zooru	41

WR-35 Rev. 8/23/13

## FRAC FOCUS REGISTRY

API 47-017-06457H6A

Farm Name I.L. MORRIS

Well Number OXFD13BHS

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