



API#

4-Dec-03 47 103 1671

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name:	DREW, VIRO	JINIA FLUHARTY	Oper	rator Well	No.: WM	FLUHARTY E-	15	
LOCATION:	Elevation:	1,022.00	Quad	drangle:	CENTERP	OINT 7.5'		
	District: Latitude: Longitude:	GREEN 8,200 Feet south of 9,600 Feet west of		nty: WE Deg 30 Deg 40		Sec.		
Company:	P.O. BOX 55	URCES, INC. 19 V 26105-5519		Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.	1
Agent:	PHILIP S. ON	NDRUSEK		Size				
Inspector: Permit Issued:	MIKE UNDE	12/04/03						
Well work Com Well work Com Verbal plugging	pleted:	02/14/04 02/18/04		8 5/8"	308.00'	308.00'	90 sks	
permission gran Rotary X Total Depth (fee	 et)	Rig 3007		4 1/2"	2980.30'	2980.30'	170 sks	
Fresh water depth		NA NA				RECEIVEI Office of Oil &	Gas	
Is coal being mi Coal Depths (ft)	`	NA NA NA				Office of Chi		
OPEN FLOW D	D ATA	Water Injection Well				WW Departme Environmental Pr		
	ing formation	Gordon		~ 14 · · · · ·	Pay zone d	epth (ft)	2855-2920	
Gas:	Initial open floring Final open floring		ICF/d ICF/d		al open flow I open flow		*Bbl/ *Bbl/	
	Time of ope	n flow between initial ar	nd fin	al tests		* Hours		u
Static re	ock pressure	*ps	sig (sı	urface pre	ssure)	after	Hou	ırs
	producing for				Pay zone d			
Gas:	Initial open floring Final open floring		ICF/d ICF/d		al open flow Il open flow		Bbl/ Bbl/	
~ .	Time of ope	n flow between initial ar	nd fin	al tests		Hours		
	ock pressure		• `	urface pre	•	after	Hou	ırs
OR STIMULATIN	G, PHYSICAL C	, PUT THE FOLLOWING: 1) I HANGE, ETC. 2) THE WELL FORMATIONS, INCLUDING	LOG V	WHICH IS A	SYSTEMAT	IC DETAILED	TURING E IN	1
		For: EAST R By:	ESOU	RCES, IN	C. Childr		6	
		Date:		194	5	118/14		1
						· /		

Treatment:

Treated perforations 2892' -2902' w/ 250 gals 15% HCL, 327 Bbls cross linked gel and 20,500 # 20/40

eretter vir likt 1. 4. Wieser bestellt in til 1. Likterett, merkki grune in billion bestellt i selve en jorden.

a (1915) effects for a 1700, a fill our raid a debalació, a del dapos o pedificio e fixa a case. HONGERN GER STEINERE EINE MER EINE GAR GARDEN. BAG BARRE ARGER IN GARDEN GER GERARE

ATTAMENTAL PROPERTY AND A TOTAL

sand

Well Log:

See original well record

State of West Virginia Division of Environmental Protection Section of Oil and Gas

05-03-95 API # 47-103-1671S

142**1**

Permitting
Office of Oil & Geo

Well Operator's Report of Well Work

	Gas						
Farm name:	DREW, VIRO	GINIA FLUHARTY	Ope	rator Well	No.: WM	FLUHART	Y E-15
LOCATION:	Elevation:	1,022	Qua	drangle:	CENTERP	POINT	
	District: Latitude: Longitude:	GREEN 8,200 Feet south of 9,600 Feet west of		nty: WE Deg 30 Deg 40		Sec.	1 14 4 4 3 1 3
Company:	P.O. BOX 55	PRODUCTS COMPANY 19 V 26105-5519	•	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Agent:	PHILIP S. O	NDRUSEK		Size			
Inspector: Permit Issued: Well work Com	RANDAL M	ICK 5/3/95 8/5/95		·		; ·.	
Well work Com Verbal plugging	pleted:	10/3/95		8-5/8	308'	308'	90 SKS
Total Depth (fee	_Cable et)3	Rig 3,007'		4 1/2"	2980.3'	2980.3'	170 SKS
Fresh water dep		NA			:		
Salt water depth	ns (ft)	<u>NA</u>					
Is coal being mi Coal Depths (ft)	•	N) N NA					·
OPEN FLOW I	DATA	*Waterflood Injection V	V ell				
Gas:	ing formation Initial open floring from Final open floring of operock pressure	w * n flow between initial a	MCF/d MCF/d and fina	Fina		,	2855-2920 * Bbl/d * Bbl/d rs * Hours
Second Gas:	I producing for Initial open flo Final open flo	ow	MCF/d MCF/d	Fina	Pay zone dal open flow	v	Bbl/d Bbl/d
Static r	cock pressure			urface pre	ssure)	after	Hours
INTERVALS, I LOG WHICH I	FRACTURING S A SYSTEM	FORM, PUT THE FOLL GOR STIMULATING, P ATIC DETAILED GEOL NTEREDBY THE WEL	HYSIC OGIC	AL CHAN	IGE, ETC.	2) THE WE	LL
		For: PENN By: Date:	ZOIL P	RODUCT;	COMPAN	JY .	
					<u> </u>		TO PERSONAL PROPERTY OF THE PR

Treatment: Perforated Gordon 2892-2902 (40 Holes) Treated Via 4 1/2" with 550 gals 15% HCl, 221 BBL gelled water & 15,300# 20/40 Sand.

Well Log:

3 11/2

Sand & Shale	0	-	1220'
Sand	1220'	- ,	1270'
Sand & Shale	1270'	-	1785'
Sand	1785'	-	1856'
Shale	1856'	-	2002'
Sand	2002'	-	2052'
Shale	2052'	-	2108'
-Sand Invact	2108'	-	2279
Shale	2279'	-	2855'
Gordon	2855'	-	2920'
T.D. 12.	3007'		

ORM WW-3() FRECSIVED Clice of Oil & Gas UIC Section					
31· `	MAR 27 1995					
7	WV Division of Environmental Protection					



1)	Date:	Marci	1 24	. 19	1
2)	Operator's Wm.	Fluha	rty No. E-	-15	1
	SIC Code				I '
•	API Well NO.	47	. 103	- 1671-; Permit	9
•		State	County	Permit	
5.	UIC Permit No.				_
	J	me	وه لم	10319	5

STATE OF WEST VIRGINIA

	NOTICE	OF LIQ	UID INJI	ECTIC		WASTE DISPOSA for the		PERMIT APPLICA	TION	05/03/
21497	DIV	ISION	OF ENV	IRON	MENTA	AL PROTECTION	, OFFICE OF	OIL AND GAS	4po es	
λ,			v							
6) WELL TYPE		102		as injec	tion (ne	ot storage) Watersho	Flubart	y Fork		286
7) LOCATION:		Gre				County:	Wataal	Quadrangle:	Centerp	oint
8) WELL OPER	District:	ennzoi	1 Prod	ucts	Co.	37450	9) DESIGNATI	ED AGENT James	s A. Cre	ws
Addr	Ρ	. O. B	ox 551	9		4070	Add		. Box 55	
7,001	V	ienna,	WV 2	6105		<u> </u>	•	Vien	na, WV	26105
10) OIL & GAS	INSPECTO Mike	or to BE Underw	NOTIFIE	D			11) DRILLING	CONTRACTOR:		
Name	Route	2, Bc	x 135							
Address	Salem	, WV	26426				Address			
				W.				X Seize Lees X	,	
12) PROPOSED	WELL W	ORK:			Drill	deeper		/ Stimulate X		
			-			n_/ Perforale nev	w formation	Convert_/		
			-	_	nange ir ordon	well (specify)	r	epth 2902 feet(lop) to 2917	feet(bottom)
13) GEOLOGIC	AL TARG	ET FORM	IATION,			2020				
14) Estimated de	epth of con	npieted we	en, (or acti	202	iii oi ex	feet: salt, 122				
15) Approximat	e water stra	ita depins	834							_
16) Approximat 17) Is coal being	e coal seam	depths: .	Væ	No	X ,					
	g mined in	ine area:	formation	17	•00	psig. Source	Estimated			
				3500)		psig (BHFP)			
•				ERAT	IONS:	Volume per hour:	25	Bottom hole pressu	re 2332	
20) MAXIMUN 21) DETAILED	DENTIF	ICATION	OF MAT	ERIAL	S TO BI	INJECTED, INCL	JDING ADDITIV	ES: Fresh water ater quality δ	, produc	ed water,
bacter	icides	and o	ther cl	nemi	cals	as needed to	maintain w	ater quality &	improve	3 011
22) FILTERS (I	IF ANY):					lbed filters				overy.
23) SPECIFICA	ATIONS FO	OR CATH	ODIC PRO	OTECT	ION A	ND OTHER CORRO	SION CONTROL:			
24) CASING A	ND TUBI	NG PROC	GRAM							
CASING OR	11		IFICATIONS		ļ	FOOTAGE II	TERVALS	CEMENT FILLUP	PAC	KERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor									Kinds	
Fresh water	8-5/8	L.S.	20	X		272	272	Cement to		
Coal				<u> </u>			-	surface	Sizes	
Intermediate	1 1 /3	7 55	10 5			3020	3020	Cement over	Depths set	
Production	4-1/2	1-33	10.5	X		3020	3020	salt sand	Depuis At	
Tubing	- 	 	 	-				July Sund	Perforations:	
Liners	 	-	 	+	 		<u> </u>		Тор	Bottom
	1			1						
	T		1						1	
25) APPLICA	NT'S OPF	RATING	RIGHTS	vere acc	quired fr	VIII	arty et al			
by deed	X/ le	ease	_/ other o	ontrac	!	datedAT	ril 9		1896	, of record in the
5, 5366	Wetzel					office in De	ed	Book 49	at page	133

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

County Clerk's office in

by deed X / lease Wetzel

Book

at page

FORM WW-3(A)
Obverse

RECEIVED
Office of Oil & Gas
UIC Section
MAR 2 7 1995

WV Division of
Environmental Protection

possibility of fine and imprisonment.

1)	Date	March	24,	1995	# , .
	Operat	or's			

2) Well No. Wm. Fluharty No. E-15

3) SIC Code

4) API Well No. 47 - 103 - 167/ State County Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR	waste disposal well work permit application for the AND GAS, DEPARTMENT OF ENERGY N/A
division of oil	AND GAS, DEPARTMENT OF ENERGY
6) SURFACE OWNER(S) OF RECORD TO BE SERVE	D 7 (i) COAL OPERATOR N/A Address
(i) Name Virginia Fluharty Drew Address 2831 Washington Avenue St. Albans, WV 25177	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii) Name	Address
Address(iii) Name	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Address	Address
TO THE PERSON(S) NAMED ABOVE: You should	have received this Form and the following documents:
WW-3(B), which sets out the parti (2) The plat (surveyor's map) showing (3) The Construction and Reclamation	
	THAT YOU HAVE RIGHTS REGARDING THE APPLICATION
WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS"	ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION OR, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
proposes to file or has filed this Notice Well Work Permit with the Director of the of Energy, with respect to a well at the I depicted on attached Form WW-6. Copies of Construction and Reclamation Plan have bee	West Virginia Code, the undersigned well operator and Application and accompanying documents for a Division of Oil and Gas, West Virginia Department location described on the attached Application and E this Notice, the Application, the plat, and the en mailed by registered or certified mail or deliv- (or by publication in certain circumstances) on or the Director.
The person signing this document shall make following certification:	ce the
"I certify under penalty of law that personally examined and am familiar vinformation submitted in this document attachments and that, based on my incommendately responsible those individuals immediately responsible to the information, I believe	with the met and all quiry of By Timothy P. Roush sible for that the Its Supervisor, Surveying/Mapping
information is true, accurate, and co am aware that there are significant p submitting false information, includ-	penalties for Telephone (304) 422-6565