

API # $47 - 95 - 015\overline{3}1 \text{ s}$

DEC 0 7 93

State of West Virginia

Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: WADSWORTH, YVONNE

Operator Well No.: LEMASTERS D-6

LOCATION:

Elevation: 1,105.00 Quadrangle: CENTER POINT

District: MCELROY

District: MCELROY County: TYLER
Latitude: 2200 Feet South of 39 Deg. 27Min. 30 Sec.
Longitude 11000 Feet West of 80 Deg. 40 Min. Sec.

Company: PENNZOIL PRODUCTS COMPANY P. O. BOX 5519 VIENNA, WV 26105-5519 Agent: JAMES A. CREWS Inspector: MIKE UNDERWOOD Permit Issued: 05/06/93 Well work Commenced: Well work Completed: 5/17/93 _10/15/93 Verbal Plugging

Permission granted on: Rig

Rotary X Cable Total Depth (feet) 3090 Fresh water depths $(ft)_{N/A}$

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N Coal Depths (ft):_

Casing	Used in	 Left 	Cement Fill Up
Tubing	Drilling	in Well	Cu. Ft.
Size	- -	 	
		' 	
8 5/8	348.75	348.75	120 Sks.
4 1/2	3046.85	3046.85	300 Sks.
			!
i	· 		!

OPEN FLOW DATA

Static rock Pressure psig	Final open flow * Bbl/d
Water Injection Well - Not Tested Second producing formation Gas: Initial open flow MCF/d Final open flow MCF/d Time of open flow between ini	Pay zone depth (ft) Oil: Initial open flow Bbl/d

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:	PENNZOIK PROD	VICTS COMPANY		
•		Delb company	6 1.3	
	By: Sunoll	a bolk of V		
	Date:	12/6/02		
	<u> </u>	12/6/93		

TREATMENT:

Perforated: 2982 - 2990 2 Holes Per Foot, 16 Holes

300 Gal. 15% HCL Acid, 269 Bbl. Gelled Water & 1700# 80/100 Sand & 4000# 20/40 Sand Treated:

WELL LOG:

Sand & Shale	0 - 540
Sand	540 - 562
Sand & Shale	562 - 638
Sand	638 - 648
Sand & Shale	648 - 910
Limestone	910 - 930
Shale	930 - 958
Sand	958 - 1000
Sand & Shale	1000 - 1518
Sand	1518 - 1570
Sand & Shale	1570 - 1730
Sand	1730 - 1754
Sand & Shale	1754 - 1912
Sand	1912 - 1940
Sand & Shale	1940 - 2105
Little Lime	2105 - 2119
Pencil Cave	2119 - 2128
Blue Monday	2128 - 2157
Big Lime	2157 - 2230
Big Injun	2230 - 2393
Shale	2393 - 2952
Stray	2952 - 2977
Gordon	2977 - 2990

T.D. 3090

> DF - 411 DF+-419

	M WW-3(B) FILE COPY verse)
10	
168	APR 2 3 93
17	WV Division of



1)	Date:	April	22,	, 19	93
2)	Operator's Well No. F	.M. LE	MASTER!	S D-6	
3)	SIC Code				
4	API Well NO.	47 State	- 09 Cou)5 - 1 inty F	531-LI Permit
5 .	UIC Permit N				
	9	سوولا	المهد	75100	193

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

	i: Elevat	ion:	1105'			Water	shed: Star	ckpole Run		<i>></i>
	Distric	t:	McElroy	7	5		y: Tvler	•	Cent	ernoint
WELL OPE	RATOR .	Pennz	oil Pro	oduc	ts Co	37450		TED AGENT J.A.		
Add	dress		Box 55		نے	670	•	dress P.O.		19
		Vienn	a, WV	261	05		•			26105
OIL & GAS	INSPECT	OR TO B	E NOTIFI	ED						
	Mike U						II) DRILLING	G CONTRACTOR:		
Address_	Rt. #						Name			
-	Salem	, WV	26426				Address		· · · · · · · · · · · · · · · · · · ·	
PROPOSEI	D WELL W	ORK:	Drill	ζ	/ Drill	deeper	7 Redrill	/ Stimulate		
i koi osei	o week	OKK.				n_/ Perforale 1				
			_			well (specify)		Convert_/		
GEOLOGI	CAL TARC	ET FORM			Gordo		:	Depth 2985 feet	(top) to 30	00 feet/houton
							0 <u>0</u> ft.		(** P) **	
Approxima	te water str	ata depths	; Fresh,_	28	5	_feet; salt,_	feet.			
Approxima		-			17					
ls coal bein				No.	<u>X</u> /					
Virgin reser	voir pressu	re in target	formation	1	400	_psig. Source	Estimated	L		
		cture press	sure		350	00	psig (BHFP)			
Estimated r	eservoir fra							Bottom hole press	ure <u>238</u>	30
Estimated r MAXIMUM DETAILEI	eservoir fra M PROPOS D IDENTIF	ED INJECTION	CTION OP	ERAT ERIAL	IONS:	Volume per hour: INJECTED, INCI	25 LUDING ADDITIN	Es: Fresh water	r, prod	uced water
Estimated r MAXIMUM DETAILEI	eservoir fra M PROPOS D IDENTIF	ED INJECTION	CTION OP	ERAT ERIAL	IONS:	Volume per hour: INJECTED, INCI	25 LUDING ADDITIN	Es: Fresh water	r, prod	uced water
Estimated r MAXIMUM DETAILEI bacteric	eservoir fra M PROPOS D IDENTIF :ides, a	ED INJECTION and otl	CTION OP OF MATI her che	ERAT	IONS: STOBE als as	Volume per hour: INJECTED, INCI	25 LUDING ADDITIN maintain wa	•	r, prod improv	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS (eservoir fra M PROPOS D IDENTIF :ides, 3 IF ANY):_	EDINJECTION and otl	CTION OP OF MATI her che tridge	ERAT ERIAL EMIC Fil	TIONS: .STO BE als as ters a	Volume per hour: INJECTED, INCI	25 LUDING ADDITIV maintain wa Bed Filters	VES: Fresh water ater quality &	r, prod improv	uced water e oil reco
) Estimated r) MAXIMUM) DETAILEI bacteric) FILTERS () SPECIFIC	eservoir fra M PROPOS D IDENTIF :ides, a IF ANY): _ ATIONS FO	Carion Car	CTION OP OF MATI her che tridge ODIC PRO	ERAT ERIAL EMIC Fil	TIONS: .STO BE als as ters a	Volume per hour: INJECTED, INCI s needed to and/or Coal	25 LUDING ADDITIV maintain wa Bed Filters	VES: Fresh water ater quality &	r, prod improv	uced water e oil reco
) Estimated r) MAXIMUM) DETAILED bacteric) FILTERS () SPECIFICATION CASING A	eservoir fra M PROPOS D IDENTIF :ides, a IF ANY): _ ATIONS FO	ED INJECTION AND OT OTHER CATH	CTION OP OF MATI her che tridge ODIC PRO	ERAT ERIAL EMIC Fil	TIONS: .STO BE als as ters a	Volume per hour: INJECTED, INCI s_needed_to and/or_Coal IDOTHER CORR	25 LUDING ADDITIV maintain wa Bed Filters OSION CONTROL	VES: Fresh water ater quality &	r, prod improv	uced water e oil reco
) Estimated r) MAXIMUM) DETAILEI bacteric) FILTERS () SPECIFIC	eservoir fra M PROPOS D IDENTIF :ides, a IF ANY): _ ATIONS FO	ED INJECTION AND OT OTHER CATH	CTION OP OF MATI her che tridge ODIC PRO	ERAT ERIAL EMIC Fil	TIONS: .STO BE als as ters a	Volume per hour: INJECTED, INCI s_needed_to and/or_Coal IDOTHER CORR	25 LUDING ADDITIV maintain wa Bed Filters	VES: Fresh water ater quality &	r, prod	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS (SPECIFIC. CASING A CASING OR UBING TYPE	eservoir fra M PROPOS D IDENTIF :ides, a IF ANY): ATIONS FO	ED INJECTION AND OT OTHER CATH OR CATH OR PROCES SPECIAL	CTION OP I OF MATI her che tridge ODIC PRO GRAM HEICATIONS Weight	ERATERIAL FILE	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI s needed to and/or Coal ID OTHER CORR	25 LUDING ADDITIV maintain wa Bed Filters OSION CONTROL	CEMENT FILLUP OR SACKS	r, prod	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS (SPECIFICA CASING A CASING OR UBING TYPE	eservoir fra M PROPOS D IDENTIF :ides, a IF ANY): ATIONS FO	ED INJECTION AND OTHER CATHONIC PROCESSIVE Grade	CTION OP I OF MATI her che tridge ODIC PRO GRAM HEICATIONS Weight	ERATERIAL FILE	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI s needed to and/or Coal ID OTHER CORR	25 LUDING ADDITIV maintain wa Bed Filters OSION CONTROL	CEMENT FILLUP OR SACKS	r, prod	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS (SPECIFICA CASING A CASING OR TUBING TYPE MINDELS (MINDELS	eservoir fra M PROPOS D IDENTIF ides, 2 IF ANY): _ ATIONS FO	ED INJECTION AND OTHER CATHONIC PROCESSIVE Grade	CTION OP I OF MATI her che tridge ODIC PRO GRAM GRAM GRATIONS Weight per ft.	ERATERIAL MIC. Fil. OTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI s needed to and/or Coal ID OTHER CORR FOOTAGE For drilling	25 LUDING ADDITIV maintain wa Bed Filters OSION CONTROL	CEMENT FILLUP OR SACKS (Cubbic feet)	r, prod	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS (SPECIFICA CASING A CASING OR TUBING TYPE MIDDING TYPE MIDDING TYPE MIDDING MIDDING MIDDING TYPE MIDDING MIDING MIDDING MIDING	eservoir fra M PROPOS D IDENTIF ides, 2 IF ANY): _ ATIONS FO	ED INJECTION AND OTHER CATHONIC PROCESSIVE Grade	CTION OP I OF MATI her che tridge ODIC PRO GRAM GRAM GRATIONS Weight per ft.	ERATERIAL MIC. Fil. OTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI s needed to and/or Coal ID OTHER CORR FOOTAGE For drilling	25 LUDING ADDITIV maintain wa Bed Filters OSION CONTROL	CEMENT FILLUP OR SACKS (Cable feet) Cement to	r, prod	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS(SPECIFIC CASING A CASING OR UBING TYPE Inductor Inducto	eservoir fra M PROPOS D IDENTIF ides, 2 IF ANY): _ ATIONS FO	ED INJECTION AND OTHER CATHONIC PROCESSIVE Grade	CTION OP I OF MATI her che tridge ODIC PRO GRAM GRAM GRATIONS Weight per ft.	ERATERIAL EMIC. Fil. DTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI s needed to and/or Coal ID OTHER CORR FOOTAGE For drilling	25 LUDING ADDITIV maintain wa Bed Filters OSION CONTROL	CEMENT FILLUP OR SACKS (Cable feet) Cement to	r, prod	uced water e oil reco
Estimated r MAXIMUM DETAILEI bacteric FILTERS (SPECIFIC. CASING A CASING OR UBING TYPE Inductor Ish water Inductor Indu	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8	ED INJECTION and otler of Carter of	CTION OP I OF MATI her che tridge ODIC PRO GRAM IFICATIONS Weight per ft.	ERATERIAL EMIC. Fil. DTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360	CEMENT FILLUP OR SACKS (Cable feet) Cement to Surface	r, prod improv	uced water e oil reco
Estimated r MAXIMUN DETAILEI bacteric FILTERS (SPECIFIC. CASING A ASING OR UBING TYPE Inductor Ish water al ermediate bong	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8	ED INJECTION and otler of Carter of	CTION OP I OF MATI her che tridge ODIC PRO GRAM IFICATIONS Weight per ft.	ERATERIAL EMIC. Fil. DTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360	CEMENT FILLUP OR SACKS (Cable feet) Cement to Surface Cement over	r, prod improv	uced water
Estimated r MAXIMUN DETAILEI bacteric FILTERS (SPECIFIC. CASING A ASING OR UBING TYPE Inductor Ish water al ermediate bong	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8	ED INJECTION and otler of Carter of	CTION OP I OF MATI her che tridge ODIC PRO GRAM IFICATIONS Weight per ft.	ERATERIAL EMIC. Fil. DTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360	CEMENT FILLUP OR SACKS (Cable feet) Cement to Surface Cement over	r, prod improv PA Kinds Sizes	uced water
Estimated r MAXIMUN DETAILEI bacteric FILTERS (SPECIFIC. CASING A ASING OR UBING TYPE Inductor Ish water al ermediate bong	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8	ED INJECTION and otler of Carter of	CTION OP I OF MATI her che tridge ODIC PRO GRAM IFICATIONS Weight per ft.	ERATERIAL EMIC. Fil. DTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360	CEMENT FILLUP OR SACKS (Cabbe feet) Cement to Surface Cement over Salt Sand	r, prod improv PA Kinds Sizes Depths set	uced water
Estimated r MAXIMUN DETAILEI bacteric FILTERS (SPECIFIC. CASING A ASING OR UBING TYPE Inductor Ish water al ermediate bong	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8	ED INJECTION and otler of Carter of	CTION OP I OF MATI her che tridge ODIC PRO GRAM IFICATIONS Weight per ft.	ERATERIAL EMIC. Fil. DTEC	TIONS: LS TO BE als as ters a	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360	CEMENT FILLUP OR SACKS (Cubbk feet) Cement to Surface Cement over Salt Sand	r, prod improv PA Kinds Sizes Depths set	uced water
Estimated r MAXIMUN DETAILEI bacteric FILTERS (SPECIFICA CASING A ASING OR UBING TYPE Inductor Induct	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8 4 1/2	ED INJECTION and otil Carriage of Carriage	CTION OP I OF MATI her che tridge ODIC PRO GRAM IFICATIONS Weight per ft. 20#	ERATERIAL EMIC. Fil DTEC	CIONS: STO BE als as ters a rion An	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360 3100	CEMENT FILLUP OR SACKS (Cable feet) Cement to Surface Cement over Salt Sand	r, prod improv PA Kinds Sizes Depths set	uced water
) Estimated r) MAXIMUN) DETAILEI bacteric) FILTERS () SPECIFIC.) CASING A CASING OR TUBING TYPE onductor esh water oal termediate oduction abing ners () APPLICA	eservoir fra M PROPOS D IDENTIF ides, a IF ANY): _ ATIONS FO AND TUBIF Star 8 5/8 4 1/2	ED INJECTION AND OTHER PROCESTANT OF THE PROCEST	CTION OP TO MATINE CONTROL OF	ERATERIAL EMIC. Fil DTEC	Used Used	Volume per hour: INJECTED, INCI S. needed to and/or Coal ID OTHER CORR FOOTAGE For drilling 360 3100 m Grace I.	25 LUDING ADDITIVE maintain was Bed Filters OSION CONTROL INTERVALS Left in well 360 3100	CEMENT FILLUP OR SACKS (Cable feet) Cement to Surface Cement over Salt Sand al.	r, prod improv PA Kinds Sizes Depths set	uced water e oil reco

FORM	WW-3(A	ι,
Obver	se	

GC			.a	
APR	2	3	93	
WV Environn	r nen	tai F	1 · 10	ار

1)	Date_	April	22.	1993
	_			

Operator's

2) Well No. F.M. LEMASTERS D-6

3) SIC Code

4) API Well No. 47 - 095 -/53/-0

State County Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

DIVIDION OF OLD AND GAS, DEFARITEM OF EMERGI
6) SURFACE OWNER(S) OF RECORD TO BE SERVED 7 (i) COAL OPERATOR N/A Address
(i) Name Yvonne Wadsworth
(1) date Ivonne wadsworth
Address c/o Juanita L. Weedon 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD
536 Elizabeth Lane Name
(ii) Name Glen Burnie, MD 26061 Address
Address
, 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Address Alvy, WV 26322 property, Onit pu Address
Timber your the
TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents
(1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form
WW-3(B), which sets out the parties involved in the drilling or other work, and
(3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only
to plug a well), which sets out the plan for erosion and sediment control and for
reclamation for the site and access road.
The date proposed for the first injection or waste disposal is, 19,
THE REACON YOU DECELVED THESE DOCUMENTS TO THAT YOU HAVE DECIDED TO THE ADDITIONAL THE ADDITIONAL THE PROPERTY OF THE ADDITI
THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION
WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION
(FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator
proposes to file or has filed this Notice and Application and accompanying documents for a
Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department
of Energy, with respect to a well at the location described on the attached Application and
depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the
Construction and Reclamation Plan have been mailed by registered or certified mail or deliv-
ered by hand to the person(s) named above (or by publication in certain circumstances) on or
before the day of mailing or delivery to the Director.
Total the day of marring of activery to the birector.
The person signing this document shall make the
following certification:
"I certify under penalty of law that I have Pennzoil Products Company
personally examined and am familiar with the Well Operator
information submitted in this document and all
attachments and that, based on my inquiry of By finally My
those individuals immediately responsible for / Timothy P. Roush
obtaining the information, I believe that the Its /Supervisor - Surveying/Mapping
information is true, accurate, and complete. I
· · · · · · · · · · · · · · · · · · ·
am aware that there are significant penalties for Telephone (304) 422-6565
submitting false information, including the possibility of fine and imprisonment.