



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

DEC 0 7 93

Permitting Cons

Well Operator's Report of Well Work

4 (194) Car (1971)									
Farm name:	WADSWORTH,	FRANCES	&	C.I.	Operator	Well	No.:	LEMASTERS	H - 13

LOCATION: Elevation: 1249' Quadrangle: Centerpoint

District: GREEN County: WETZEL

Latitude: 10,150 Feet South of 39 Deg. 30 Min. 00 Sec. Longitude 6,750 Feet West of 80 Deg. 40 Min. 00 Sec.

Company: PENNZOIL PRODUCTS COMPANY				
P. O. BOX 5519 VIENNA, WV 26105-5519	Casing	Used in	Left	Cement  Fill Up
Agent: JAMES A. CREWS	Tubing	Drilling	in Well	Cu. Ft.
Agent. OAMES A. CREWS	Size		 	
Inspector: RANDAL MICK				1
Permit Issued: 05/05/93				
Well work Commenced: 8/12/93	İ		· 	
Well work Completed: 9/30/93				
Verbal Plugging	8 5/8	501	501	145 Sks.
Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet) 3271	4 1/2	3233.85	3233.85	300 Sks.
Fresh water depths (ft) N/A				
Salt water depths (ft) N/A				
Is coal being mined in area (Y/N)? N Coal Depths (ft):				

#### OPEN FLOW DATA

	Producing formation	Gordon	Pav zone depth	(ft)	3120 - 3184
	Gas: Initial open flow	* MCF/d Oil:	Initial open flow	*	Bb1/d
	Final open flow	* MCF/d	Final open flow	*	Bbl/d
	Time of open flow	between initial	and final tests		Hours
	Static rock Pressure	psig (surf	ace pressure) afte	r	Hours
*	Waterflood Producer - Not T	ested		-	
	Second producing format	ion	Pay zone depth	(ft)	
	Gas: Initial open flow_	MCF/d Oil:	Initial open flow	•	Bb1/d
	Final open flow	MCF/d	Final open flow	***************************************	Bbl/d
	Time of open flow	between initial	and final tests		Hours
	Static rock Pressure		ace pressure) afte		Hours

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:	PENNZOIL PRODUCTS COMPANY
TNL		By: finally Account DES 2 4 1993.
priored		Date: 12/6/93
marteri		

#### TREATMENT:

PERFORATED:

3144 - 3146 \\ 3150 - 3159 \( 3172 - 3174

2 Holes Per Foot - 22 HOles

TREATED:

300 Gal. 15% HCL Acid & 289 Bbl. Gelled Water & 1500#

80/100 Sand & 3500 # 20/40 Sand.

#### WELL LOG:

T.D.

Sand & Shale Sand	0 - 672 672 - 708
Shale	708 - 786
Sand	786 <b>–</b> 850
Sand & Shale	850 - 1490
Sand	1490 - 1560
Sand & Shale	1560 - 1860
Sand	1860 - 1918
Shale	1918 - 2266
Little Lime	2266 - 2280
Pencil Cave	2280 - 2292
Big Lime	2292 - 2320
Shale	2320 - 2360
Big Injun	2360 - 2545
Shale	2545 - 3120
Stray	3120 - 3126
Gordon	3126 - 3184

3271

103-1536 Issued 05/05/93

FORM WW-2B

# STATE OF WEST VIRGINIA CYPUAL DS/05/95 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

				4000			,
1)	Well Ope	rator:	Pennzoil P	roducts Comp	any 37450	(5)	286
2)	Operator	's Well	Number:_A	.D. LEMASTER	S #H-13	3) El	evation: <u>1249'</u>
4)	Well typ	e: (a)	0i1 <u>X</u> /	or Gas			
		(b)	If Gas:			ound Storag Shallo	
5)	Proposed	Target	Formation	(s): Gor	don 4		BEOEWED
6.)	Proposed	Total De	epth:	3230	feet		RECEIVED W Division of
7)	Approxim	ate fres	h water s	trata dept	hs: 430		Environmental Protection
8.).	Approxim	ate salt	water de	pths:	7		Permitting
9)	Approxim	ate coal	seam der	ths:	1061		of Oil & Ges
10)						ve mine? V	es/ No_X_/
					•	ve mrne:	
11)	Proposed	Well Wo	rk: Dril	l & Stimulat	e New Mell		
12)			CASIN	G AND TUBI	NG PROGRAM		
TYPE		S	PECIFICAT	IONS	FOOTAGE IN	ITERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Cond	uctor						2007/8//S
Fres	h Water	8 5/8	L.S.	20	500	500 ◀	Cement to Surface
Coal							38081611X
Inte:	rmediate						
Prod	uction	4 1/2	J-55	10.5	3230	3230	Cement over
Tubi	ng					(	38CSR181
Line	rs						
-	ERS : Kin	ıd					
1	Siz	es ths set					
18911	1	F	ص <del>د</del> ر Diviso	on of Oil a	ind Gas Use	Only	<u></u>
	Fee(s)	ajg:	Well W	ork Permit	Recl	amation Fun	
1	Rat &	WW-9	Ww-	-2B	sond Curi	G Blankf	et D

Page 1 of 4 REC 100 of color of protection of the color o

1	) Date:	April	16.	1993
<u>.</u>	, Dare.	Whr		* / / /

2) Operator's well number

A. D. LEMASTERS #H-13

3) API Well No: 47 - 103 - 1536 State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

### NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name Frances & C.I. Wadwsorth	Name N/A
	Address Alvy, WV 26322	Address
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	NameAddress
	(a) Namo	Address
	(c) NameAddress	Name
	Address	Address
		Mad Coo
6)	Inspector Mike Underwood	(c) Coal Lessee with Declaration
	Address Rt. #2, Box 135	Name
	Salem, WV 26426	Address
	Telephone (304) - 782-1043	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
	Included is the lease or leases or	other continuing contract or
	acts by which I hold the right to	
	Included is the information requir	
	on 8(d) of the Code of West Virgin	
		hapter 22B of the West Virginia Code
T has	ye served copies of this notice and	
	mpanying documents pages 1 through	
accor		
	Personal Service (Affidavit a	
	X Certified Mail (Postmarked po	
	Publication (Notice of Public	ation attached)
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to the	ne terms and conditions of any perm	it issued under this application.
		t I have personally examined and am
fami:	liar with the information submitted	on this application form and all
atta	chments, and that based on my inqui	ry of those individuals immediately
	onsible for obtaining the informati	
	rue, accurate, and complete.	•
	I am aware that there are signific	ant penalties for submitting false
	emation, including the possibility	
		Pennzeil Products Company
	By: Timothy P. I	
		- Surveying/Mapping
	Address P.O. 1	
	Vienn	
	Telephone (304)	
Subse	cribed and sworn before me this <u>16tl</u>	
	O O	***************************************
The state of the s	to M (Koa I)	OFFICIAL SEAL OTARY PUBLIC
W. J.	ommission expires <u>October 24</u> , 19	NOTARY PUBLIC AT PUBLIC
المكا ملاكنا	ommission expires <u>October 24, 19</u>	STATE OF WEST VIRGINIA JOYCE M. SOARD
		P. O. Box 5519
		Vienna, West Virginia 26105