







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



Well Operator's Report of Well Work

m name walters, J/R.S. & L.DAWSON Operator Well No.: J. LEMASTERS 17

L'OCATION:

Elevation: 982.00

Quadrangle: CENTER POINT

District:

MCELROY County: TYLER
14450 Feet South of 39 Deg. 30Min. 0 Sec.
7625 Feet West of 80 Deg. 40 Min. 0 Co. Latitude:

20.191 cade 7023 feet Wes	C OI OU	Deg. 40 Mi	n. U Sec	•
Company: PENNZOIL PRODUCTS COMPANY				
	Casing	used in		
VIENNA, WV 26105-5519	Casing	Used in		
1 2 2 2 2 3 3 3 2 3		   Drillina		Fill Up
Agent: JAMES A. CREWS	Tubing	Drilling	1 IU METT	Cu. Ft.
and a second sec	Size	 	 !	
Inspector: MIKE UNDERWOOD	5126		į i	į
Permit Issued: 03/20/92 Well work Commenced: 4-10-92 Well work Completed: 4-10-92	 		 	!
Well work Commenced: / 10-02	! '		l	i
Well work Completed: 4-10-92				
Verbal Plugging	SEE	ORIGINAL WELI	RECORD	
Permission granted on:  Rotary Cable Rig  Total Depth (feet) 3025'  Fresh water depths (ft)	! <b></b>	<u> </u> 		1
Rotary Cable Rig			 !	
Total Depth (feet) 3025'	! 			!
Fresh water depths (ft)	 			1
Salt water depths (ft)	 			!
	 	İ		l
Is coal being mined in area (Y/N)?				
Coal Depths (ft):				
	 			1
OPEN FLOW DATA				
(Injection W	<u>el</u> l)			
Producing formation Gordon  Gas: Initial open flow MCF, Final open flow between in  Static rock Pressure psice		D		
Gas: Initial open flow MCE	/d O:1. T-	Pay zone c	reptn (it	) <u>2863 – 2</u>
Final open flow MCF	va oii: in	iitiai open	ITOM	Bb1/c
Time of open flow between in	u Fi	nai open ri	low	Bb1/d
Static rock Processes	ittial and	ı rınal teşt	:s	Hours
Static rock Pressurepsic	g (surrace	pressure)	after	Hours
Second producing formation  Gas: Initial open flow MCF, Final open flow MCF, Time of open flow between in				_
Gas: Initial open flow	/3 O.1 T.	Pay zone c	lepth (ft)	)
Final open flow MCF	/d U11: In	itiai open	tlom	Bbl/c
Time of open flow between in	/Q F1	nai open il	.ow	Bbl/c
Static rock Processo	ittial and	ı final teşt	:s	Hours
Static rock Pressurepsic	j (surrace	pressure)	after	Hours
NOTE: ON BACK OF THIS FORM PUT THE	<b>507.7.0</b>			
101 1110	FOLLOWING	3: 1). DETA	AILS OF PE	ERFORATE
INTERVALS, FRACTURING OR STIMULATING, LOG WHICH IS A SYSTEMATIC DETAILED	PHYSICA	L CHANGE,	ETC. 2).	THE WELI
	GEOLOGICA	L RECORD C	OF ALL FOR	RMATIONS,
INCLUDING COAL ENCOUNTERED BY THE WELL	BORE. /			
	الحرك		1	
Box BRWS AT	Jun.	ely 177m	<u> </u>	
For: PENNZOII	,			
	imothy P. R			
		Surveying/Ma	pping	
Date: 3	-1-93			
Pa.				

### STIMULATION

PERFORATIONS: Gordon 2866' - 2874' 1 Hole Per Ft. (8 Holes) Treated with 178 Bbls. Gelled Water & 5000# 20/40 Sand.

### WELL LOG

See Original Well Record

TO 2952

DF 411

Environment of the San Property of the San Pro



State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

Well Operator's Report of Well Work

Farm name:	DAWSON, RU	PERT & LYL	A S.	Operator	Well No.:	J. LEMAST	ERS 17
LOÇATION:	Elevation:				ENTER POINT		
	District: Latitude: Longitude	14450 Fee 7625 Fee	t Sou t Wes	Co th of 39 t of 80	ounty: TYLE Deg. 30Min Deg. 40 Mi	R . 0 Sec. n. 0 Sec	•
Company: PEN	VZOTI. PRODII	מעמעט פער	v				
P. (	D. BOX 5519	COMPAN	I				
	NNA, WV 26:	105-5519		Casing &	Used in		Cement
		-00 0019			Drilling		Fill Up
Agent: JAM	ES A. CREWS				Drilling		Cu. Ft.  
Inspector. (	TIEN D DOD:			Size			1
Inspector: ( Permit Issue					_	İ	j
Well work Co	mmenced.	07/06/90		]	SEE ORIGINA	4 RECORD	İ i
Well work Co	omnleted:	11-21-90	<del></del>				
Verbal Pluge	nina	12-5-90		!		[	1
Permission of	ranted on•			!			
Rotary X	Cable	Ria					
Total Depth	(feet) 200	<u> </u>					
Fresh water	depths (ft)	100				ĺ	l į
				i			
Salt water d	lepths (ft)	1582					
Is coal bein	g mined in	area (V/N	7 <u>7</u> N				
Coal Depths	(ft): 781	orca (1/14)	/ • <u>I</u>				ļ
-					·======	<u> </u>	
OPEN FLOW DA	ATA			1			
Produci	ng formatio	n Gordon			Pau sono	1 / E. \	20/0 2002
Gas: In	itial open	flow *	MCF	/d Oil: In	_Pay zone d	flow	2040-2902
							Bbl/d
Ti	me of open	flow between	en ii	nirial and	tinal tock	- ~	Bbl/d Hours
Static	rock Pressu	re	psi	g (surface	pressure)	after	Hours
Second	producing f	ormation_	Big I	njun	Pay zone d	lepth (ft)	2024-2106
		TTOW X	rice,	o oii: in	itial open	flow	Bb1/d
							Bbl/d
Static	me of open rock Pressu	ITOM DETME	en i	nitial and	final test	s_	Hours
					pressure)	after	Hours
*Not te	ested, liqu <u>id</u>	injection w	e11 (d	ual completi	.on).		
NOTE: ON BAC	K OF THIS	FORM PUT	тне	FOLLOWING	• 1\ DEM*	77.0 0	
	o w ordigin	BILL DETAI		(4 P.C ) (. ( ) (± 1 C \ Δ )	L RECORD O	ELC. 4).	THE WELL
INCLUDING CO.	AL ENCOUNTE	RED BY THE	WELI	BORE.		r wnn tok	THATTUNS,
				-			
				A			
		DAY DEN	ひろか ヘーギ				

APR 19 1991

Timothy P. Roush

### Stimulation

Perforated: Gordon 2866-2874 8 holes

Treated w/300 gals. reg. HF acid, 255 Bbls. gelled water and 1500# 80/100 and 3500# 20/40 sand.

### Well Log

(See original record.)

502n/

,				AP I	# 47-095	-1149LI
ReviewedT	m6	State of Wes DEPARTMENT Division of	OF ENERG'	ia Y		
	Well	Operator's Re	port of l	Well Work		
Farm name:	JASPER LEMASTERS		Operator	Well No.:	17	
OCATION:	Elevation: 982	·				
	District: McEl Latitude: 14.4 Lonsitude 7.6	lroy 450' South of 39 525' West of 80	C (	ounts: Tyle Des. 30 M Des. 40 M	r in. 00 Sec in. 00 Sec	•
	NZOIL PRODUCTS					
P. VIE	O. BOX 5519 NNA, WV	1	&	l Used in     Drilling	i	IFill Upl
Asent: JAM	ies A. Crews	, · · · · · · · · · · · · · · · · · · ·			well	
Inspector:( Permit Issu	Glen P. Robinson ed: 10-11-89 commenced: ]		Size	I I SEE ORIGINA	I L WELL RECO	i I I
Jell work C Jerbal Plud	ompleted:	ا <u>ا 12-89</u> ا		   	1	 
Rotary Total Depth	granted on: CableX (feet)2	Ris    33'	<b></b>	   	   	
	depths (ft) _  depths (ft)			   	1	
				' 	' 	
	ng mined in ar (ft):			   	 	 
OPEN FLOW D	ATA					
Gas: I F T	ing formation_ nitial open fl inal open flow ime of open fl rock Pressure.	ow_ShowMCF/ MCF/ ow between in	d Oil: Ind d Fi itial and	nitial open inal open f i final tes	flowSI low ts	10W _Bb1/d 10 Bb1/d _96 _Hours
Gas: I F	producins for nitial open flow inal open flow ime of open flo	owMCF/ MCF/	d Oil: Ir d F:	nitial open inal open f	flow	Bbl/d Bbl/d
NOTE: ON BA	rock Pressure CK OF THIS FO	RM PUT THE	FOLLOWING	3: 1). DET	AILS OF-F	ERFORATED
	FRACTURING OR					

LUG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIO INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL FROMVCTS COMPANY

By: Timothy P. Roush

Date: December 20, 1990

### <u>Treatment</u>

Perforated: Big Injun w/28 holes 2198-2214'

Treated w/500 gal. 15% HC1 DINE acid, 513 Bbls. 20# gel water and 20,000# 20/40 sand.

### Well Log

See original well record.

B 3

JUN 1 3 90

Permitting
Oil and Gas Section

State ni Mest Mirginia Well No. 17

DEPARTMENT OF ENERGY
Oil und Gas Zivision

Date September 29, 1989

Decrator's

Well No. 17

Farm JASPER LEMASTER

API No. 47 - 095 - 1149-LI

### WELL OPERATOR'S PEPORT

OF

DRIVING, FRACTURING AND/OR STEMELATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / (Liquid Injection (If "Gas," Production / Underground	<u>X</u> /Wast	e Disposa me / Dea	1_/ Sh	.11~: /\
LOCATION: Flevation: 982' Watershed	Lefthand	Fork	-	
District: McElroy County Ty	ler ·	Quadrancl	e Center	noint 7 51
•			center	101HL 7.5
CMPANY Pennzoil Products Company				
ADDRESS P.O. Box 5519, Vienna, WV 26105-5519	<del></del>	· ·		
DESIGNATED AGENT James A. Crews	Casing	Used in	Lett	Cenera
ADDRESS P.O. Box 5519, Vienna, WV 26105-5519	Tubing	Drilling	in Well	तः सः स्रा क
SURFACE OWNER Jerry Walters	Size 20-16			
ADDRESS Alvy, W. Va. 26332	20-10		·	
MINERAL RICERS OWNER Don E. Riddle	<u>i3-10"</u>			·
ADDRESS	9 5/8	31'	31'	
OT AND GAS INSPECTOR FOR THIS WORK Glenn	B 5/B			
Robinson ADDPES Rt. 1, #6 Mt. Pleasant Est.	7	423'	423'	120 Sks.
Mineral Wells, WV 26150 7-29-86	5 1/2			
DF 10-5-88	4 1/2	2951.52	2951.52	150 Sks.
DR. 10-14-88	3 .			
IF APPLICATE: PLUCCING OF DRY BUT ON	2			·
CHILINOIS PROGRESSION FROM DETERMS OF	Tiners			
REMORANG. VERBAL PERMISSION OSTAINED	ಬ್ರಾಣ			
COLOGICAL TARGET FORMATION Gordon		Des:	-h 3	025 fac-
Depth of empleted well 3025 feet R	X VISI	/ Cable	- <del>'</del>	1025 feet
water strata depth: Fresh N/A feet	Sal+ N/A			
Coal seem depths: 315-325, 1470-1475	Is coal !	Deine mine	ri in the	1
OPEN FLOW DATE				No No
Producing formation Gordon  Ges: Initial complete: 0 wester	Dave		<b>.</b>	•
Ges: Initial open flow 0 Mcf/d (	Pay	يدغون هيمج	23 <u>2840-290</u>	2feet
: Final open flow 0 Mcf/d	ومنته مستد	er cheu	110% 0	571/5
	ല് ജൻ 👯	121	•	
Static rock pressure psig(surface	חפבטייפונ	حد العدد. عدد العدد		== ====
is a solution and the completion.	<b>-</b> ) .		•	
Second producing formation	~ Day	zane dess	<u>.</u>	£oos
MC2/C	Cil: Ini:	ಷಷ ರಾಣ	f) m	251 /4
MC2/6 (	Dil: Fina	il coen <u>fi</u>		' ph1 /a
The of then flow between initial	al and fi	1		
DS72 (2772, 97.622776 D272 (2772,906 )	neasurene:	721"25-0-	· · hass	b !
	····	(Comesi-		
The state of the s	et, girmer - reser	1007117	∡e on Pei	erse size)

THE THE TANK OR STEELATING, PRINSICAL CHANCE, ITC.

Well has not been fractured or stimulated.

FORFATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all sand salt water
•	•	*** *** **** **** ***		and selt water, coal, oil and
Sand & Shale Coal Sand & Shale Salt Sand Coal Shale Little Lime Big Lime Big Injun-Loy Pocono Shale Shale Gordon Series	alhanna	0 315 325 1425 1470 1475 1784 1852 2024 2106 2290 2840	315 325- 1425 1470 1475 1784 1852 2024 2106 2290 2840	, coil and
Shale T.D.	•••	2902 3025	2902 3025	
				•
				•
		-	•	
				•

· (Attach separate sheets as necessary)

Pennzoil Products Company

W	ell Operator/	ompany		
By:	li HO	- 0		•
Date:	Sontario 16 Ce	<u> </u>	Timothy	P. Roush
• • .	September 29, 1989		··•	·· .

FORM WW-3(B) (Obverse)	FILE COPY
7/85	



1)	Date: Feb	ruary 2	24,	19 92
2)	Operator's Well No.	JASPER	LEMASTERS	NO. 17
3)	SIC Code			
4	API Well NO		- 095	- 1149-FR
		State	County	Permit

//85	ASS WEST VIEW	Well No. JASPER LEMASTERS NO. 17
		3) SIC Code
		4 API Well NO. 47 - 095 - 1149- State County Permit
	The state of the s	5. UIC Permit No. <u>UIC2R09501AP</u>
	**************************************	
	STATE OF WEST VIRGIN NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL W	TIA RECEIVED
	for the	Permitting
	DEPARTMENT OF ENERGY, OIL AND	GAS DIVISION - 2 7 00
	Draye	
		WV Division Environmental Programmental Prog
6)	WELL TYPE: Liquid injection X Gas injection (not storage) Was	
7)	LOCATION: Elevation: 982' Watershed:	Left Hand Fork
	District: McElroy 4670 County T	yler Quadrangle: Center Point 7.
8)	WELL OPEN TON Pennsod 1 Dreducts Co.	DESIGNATED AGENT J.A. Crews
	Address P.U. BOX 3319	Address P.O. Box 5519
	Vienna, WV 26105	Vienna, WV 26105
10)	OIL & GAS INSPECTOR TO BE NOTIFIED	
	Name Mike Underwood 11) I	DRILLING CONTRACTOR:
	Address <u>Rt. #2</u> , Box 135	Name
	Salem, WV 26426	Address
	<b>Page 1</b>	
12)	PROPOSED WELL WORK: Drill Drill deeper Re	
	Plug off old formation/ Perforate new form	nation_/ Convert_/
	Other physical change in well (specify)	
	GEOLOGICAL TARGET FORMATION, Gordon 4/9	Depth 2840 feet(top) to 2902 feet(bottom)
		ft.
	Approximate water strata depths; Fresh, N/A feet; salt, N/A	feet.
	Approximate coal seam depths: N/A	
	Is coal being mined in the area? Yes/ No_X/	
	Virgin reservoir pressure in target formation 1260 psig. Source Estima	ated
	Estimated reservoir fracture pressure 3500 psi psig (	BHFP)
21)	MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bb	L/hr Bottom hole pressure 2332 psi
-11	DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING A	ADDITIVES: Fresh/produced water
22)	treated w/ bactericides and other chemicals as is no FILTERS (IF ANY): Cartridge and/or coal bed filters.	cessary to maintain water quality.
	SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CO	NAME OF THE PARTY
,		JNTROL:

24) CASING AND TURING PROCE

CASING OR	II .	SPEC	IFICATIONS	<b>.</b>		FOOTAGE	INTERVALS	CEMENT FILLUP	11	****
TUBING TYPE	Star	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	PAC	KERS
Conquetor	9 5/8	<u> </u>				31'	31'	Existing Csg.		
Fresh water	7"	H-40	20#			423'	423'	120 Sks.	Kinds	
Coal									Sizes	
Intermediate									3465	
Production	4 1/2'	J-55	9.5#			2952'	2952'	150 Sks.	Paratherina	<del></del>
Tubing				I				- Job Brig.	Depths set	<del></del>
Liners									Perforations:	
	-								Тор	Bottom
<del></del>	<b>}</b>									
	<u> </u>			<u></u>						
25) APPLICA	NT'S OPER	RATING	RIGHTS w	ere acq	uired froi	m_ Jasper a	and Mary Lem	asters		
	/ les	ase <u>X</u>				dated	March 23		1897	of record in
	Ty1	er	С	ounty	Clerk's o	ffice in De	ed	Book 33	at page	73

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

at page

				OFFI	CE USE O	NLY				
		1		DRIL	LING PER	MIT				
Pesmit number	A 47	7-095-114	49-LI -FR	AC				March 20	92	
र्जन्तिन हैं।	5/10							Date		19
No. 8) Prior to the district oil and gas. The permitted wor	e construction s inspector 24 rk is as describ	of roads, loc hours before	ations and pit actual permi	is for any per-	mitted work.	In addition, the	well operat	in accordance with the District Oil and (or or his contracto tion plan, subject to	Gas Inspect r shall noti:	or, (Refer fy the prop
Permit expires		<i>‡</i> 20/94								
Termit expires		120/34	•		_uniess well v	ork is commence	ed prior to t	hat date and prosec	uted with d	ue diligen
Bond:	Agent:	Plat:	Casing 6 S	F∝ 1353¢			(`	1 110		7
						1,000	non	W. W.	CEUS	<u> </u>
NOTE: Keep on	e copy of this	permit posted	at the drilling	as location.	Orc. I	irector, (	Oil and	Gas Divisi	on	
				•				`		
								·		
This part of Form	IV 20h) in to	anned the de-			E USE O					
This part of Form	14-3(0) 13 10 1	record the dat	es of certain	occurrences a	nd any follo	w-up inspections.	•	è		
			Date						Date(s)	
Application receive	ed					Follow-up	inspection(	5)		
Well work started						**	••			
otal depth reache	d					**	••			
Well Record receiv	ed	-					••	•		
Reclamation compl	leted					**	••			
THER INSPECT	IONS									
Reason:								•		
Reston									,	
Reason:	· · · · · · · · · · · · · · · · · · ·									

PORÉ WW-3(A) Obverse - STATE O	1) Date February 24, 1992  Operator's  2) Well No. JASPER LEMASTERS NO. 1  3) SIC Code  4) API Well No. 47 - 095 - 1149-  State CARCEVED  Office of Oil & Gas  Permittic
NOTICE OF LIQUID INJECTION OR WAS	STE DISPOSAL WELL WORK PERMIT APPLICATION FEB 2 7 92
DIVISION OF OIL AND (6) SURFACE OWNER(S) OF RECORD TO BE SERVED	D GAS, DEPARTMENT OF ENERGY WY Division
(i) Name Jerry Walters Address Alvy, WV 26322  (ii) Name Ruppert S. & Lyla S. Dawson	7 (ii) COAL OWNER(S) WITE DECLARATION ON RECORD: Name Address
Address Alvy, WV 26322  (111) Name - Address	7 (iii) COAL LESSEE WITE DECLARATION ON RECORD: Name Address
(1) The Application for a Liquid Injecti WW-3(B), which sets out the parties (2) The plat (surveyor's map) showing th (3) The Construction and Reclamation Plate to plug a well), which sets out the reclamation for the site and access.  The date proposed for the first injection THE REASON YOU RECEIVED THESE DOCUMENTS IS THE WHICE ARE SUMMARIZED IN THE "INSTRUCTIONS" ON	n on Form WP-9 (unless the well work is only plan for erosion and sediment control and for road.  or waste disposal is
Take notice that under Chapter 22B of the West proposes to file or has filed this Notice and Well Work Permit with the Director of the Dive of Energy, with respect to a well at the local depicted on attached Form WW-6. Copies of the Construction and Reclamation Plan have been manual	ision of Oil and Gas, West Virginia Department tion described on the attached Application and — is Notice, the Application, the plat, and the saled by registered or certified mail or delivery publication in certain circumstances) on or
The person signing this document shall make the following certification:	
"I certify under penalty of law that I have personally examined and am familiar with information submitted in this document as attachments and that, based on my inquiry those individuals immediately responsible obtaining the information. I believe that information is true, accurate, and complean aware that there are significant penalth of the possibility of fine and imprisonment.	the well operator  of all  r of by fundamental by f

## lasued 10/11/89 Expresiol11 Page 3 of 4

# STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

			<u> </u>	673	APPLICATION 27	uro (C)	286			
1)	Well Ope	rator:	Pennzoil	Products Com	pany 3/	450 (5)	<i>J</i> 0			
2)	Operator	's Well	Number:_J	ASPER LEMAST	ERS NO. 17	3) Ele	evation: 982			
4)	Well typ	e: (a)	0il <u>X</u> /	or Gas	5_/					
		(b)	If Gas:	Production Deep	n <u>X</u> / Undergr	cound Storage Shallov				
5)	Proposed	Target	Formation	n(s): Big	Injun 371					
6)	Proposed	Total D	epth:	3025	feet					
7)										
8)	Approxim	ate salt	water de	pths:						
9)	Approxim	ate coal	seam dep	ths:			-			
10)	Does lan	d contai	n coal se	ams tribut	ary to acti	ve mine? Ye	es/ No_X_/			
11)	Proposed	Well Wo	rk: Frac B	ig Injun						
12)						Free New				
			CASIN	G AND TUBI	NG PROGRAM	TRUE New	- ToRatation			
TYPE		S I	PECIFICAT	IONS	FOOTAGE IN	ITERVALS	CEMENT			
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)			
Condu	ictor				4221.	4231	120 Sha			
Fresh	n Water	; 7	н-40	20#	1851 852'	832'	Cement to surfa			
Coal							Edisting			
	mediate				2952	2952	150 Sks			
Produ	ction	4-1/2	J-55	9.5#	29/5'	29/5'	250 sks. 50/50 Pozmix			
Tubir	ng									
Liner	s					n A	A PROPERTY OF THE			
PACKE	ERS : Kin						PRO C			
	Siz Dep	es ths set				S	EP 12 1989			
57		· بحر	Diviso	n of Oil a	nd Gas Use		ION OF OIL & GAS THENT OF ENERGY			
1= F	Fee(s) p	aid:	ر _ا_Well;W	ork Permit	Recl	amation Fund				
1	Plat	WW-9 (	WW-	2B	and Blacke	Laure	A Agent			
		•			7 (	Type)				

Page 1 of \_\_ Form WW2-A (09/87) File Copy



1) Date: September 8, 1989

2) Operator's well number

JASPER LEMASTERS NO. 17

API Well No: 47 - 095 - 1149-LI-FR State - County - Permit

### DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

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

3)

### NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name Rupert S. & Lyla S. Dawson	Name
	Address Alvy, W. Va. 26322	Address
	(b) Name Jerry Walters	(b) Coal Owner(s) with Declaration
	(b) Name <u>Jerry Walters</u> Address <u>Alvy, W. Va. 26322</u>	Name
		Address
	(c) Name <u>Charles Wadsworth</u>	
	Address Alvy, W. Va. 26322	Name
		Address
6)	Inspector Glen P. Robinson	(c) Coal Lessee with Declaration
0,	Address Rt. 1, #6 Mt. Pleasant Est.	
	Mineral Wells, WV 26150	Name
	Telephone (304) - 489-9162	Address
	Telephone (504) - 409-9102	
<b>T</b> 3.	TO THE PERSON(S) NAMED AR	OVE TAKE NOTICE THAT:
	Included is the lease or leases or	other continuing contract or
contr	acts by which I hold the right to	extract oil and gas OR
	Included is the information requir	
Secti	on 8(d) of the Code of West Virgin	
		hapter 22B of the West Virginia Code
I hav	ve served copies of this notice and	application, a location plat, and
		4 on the above named parties, by:
	Personal Service (Affidavit a	
	x Certified Mail (Postmarked po	
	Publication (Notice of Public	
	rabited tion (notice of rabite	
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	ne terms and conditions of any perm	
	I certify under nemalty of law tha	t I have personally examined and am
famil	liar with the information submitted	on this application form and all
attac	chments, and that based on my inqui	ry of those individuals immediately
respo	onsible for obtaining the informati	on, I believe that the information
is tr	que, accurate, and complete.	ony i believe that the intolmation
	· · · · · · · · · · · · · · · · · · ·	ant penalties for submitting false
infor	mation, including the possibility	of fine and imprisonment.
	Well Operator	PENNZOIL PRODUCTS COMPANY
	By: 6 unto	
		d Engineering Tech.
		. Box 5519
		nna, W. Va. 26105-5519
	Telephone 304	
Subso	cribed and sworn before me this 8	
1	(Ma Kaile	Notary Public
My co	ommission expires	Notary Public
_	- <del>- //</del>	

* <sup>1</sup>								• •	
	•, ••	246							
ORM WW-3(B)	FILE (	COFY					1) Da	te: June 12	. 19 90
Obverse)						Marian.	• "	erator's	1 17
/85 -						OF WEST LA		II No. JASPER	LEMASTERS NO. 17
				_			3) SIC	C Code	
Francisco (F. 1.1.) or an						5	> 4 AF	1 Well NO. 47	<u>095</u> - <u>1149 <b>- F</b></u>
graja wala ili saa		<u>.</u>					***************************************	State	
						San Stant Line	7 3. UI	C Permit No. 41	CZRO950IAP
0.0								Josued 7	16,190
0.6		ily Sti		a moor		TATE OF WEST V		095-1149-FRAC	
	NOTI	CE OF I	นศ์กาก น	NJEC"	IION C	OR WASTE DISPO for the	SAL WELL WOR	K PERMIT APPLIC	
1								Experis 7	7/6/92
			DE.	PART	MENT	OF ENERGY, OI	L AND GAS DIV	ISION	.mn 1 3 90
					· • ·		\$4.50 Pr	e de la companya de l	JUN 11 3 90
							•		Permitting
	•	Production of the				e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l La companya de la		Oil and Gas Section	
6) WELL TYP	E: Liqui	id injectio	n_X	Gas in	njection	(not storage)	✓ Waste disposal	6-92	-7
7) LOCATION	: Eleva		82	:		Water	shed: Left H	and Fork	
	Distr		<u>icElroy</u>			Count	<sub>y:</sub> <u>Tyler</u>	Quadrangle	Center Point 7.
8) WELL OPE	RATOR				cts (	37450	9) DESIGNAT	TED AGENT Jam	es A. Crews
Add	lress		Box 5			(7)	<i>(</i> '	dress P.O. B	ox 5519
		Vier	na, W.	۷a.	261	<u>105–551</u> 9		Vienna	, W. Va. 26105-55
10) OIL & GAS				IED	4.1	* '			
		Robin				· '	11) DRILLING	CONTRACTOR:	
			it. Ple				Name		
	Minera	IT MeTI	s, W.	Va.	2615	0	Address _		
		•					-		
12) PROPOSED	WELL Y	WORK:	Drill					/ Stimulate	X/
			Plug of	f old	formati	ion/ Perforate n	ew formation/	Convert/	
						in well (specify)		00/0	0000
13) GEOLOGIC								Depth 2840 feet	t(top) to 2902 feet (bottom
						• • • • • • • • • • • • • • • • • • • •	1025 ft.		
15) Approximat				<u>N</u>	I/A	feet; salt,	N/A feet.		
16) Approximat	e coal sear	m depths:	N/A_					······································	
17) Is coal being	mined in	the area!	? Yes						
18) Virgin reserv	-	_				_psig. Source <u>E</u>	stimated		
19) Estimated re					00 ps		psig (BHFP)		•
						Volume per hour: _		Bottom hole press	
								es: <u>Fresh/prod</u>	
								<u>ry to maintai</u>	n water quality.
22) FILTERS (I	F ANY): _	Cart	ridge	and/	or co	oal bed filte	rs ·		
23) SPECIFICA	TIONS F	OR CATE	iodic pr	OTEC	TION A	ND OTHER CORRO	SION CONTROL:		
•		•					•		
24) CASING A	ND TUBI	NG PRO	GRAM						
CASING OR		SPEC	IFICATIONS			POOTAGE II	NTERVALS	CEMENT FILLUP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	9-5/8"		1	1	1	31'	31'	Existing Csg	Kinds
	7"	H-40	20#	1	1	423'	423'	Existing Csg	
Coal		T		<b>†</b>		. 20	†	120 SKS	Sizes
Intermediate				1				1,	
	4-1/2"	T-55	Q 5#		†	20521	20521	Frince Coo	

25) APPLICANT'S OPERATING RIGHTS were acquired from Jasper and Mary Lemasters

by deed / lease X / other contract / dated March 23 , xx 1897 , of record in the

Tyler County Clerk's office in Deed Book 33 at page 73

Perforations:

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

### 1) Date June 12, 1990

Operator's JASPER LEMASTERS NO.

2) Well No.\_

3) SIC Code
4) API Well No. 47 - 095 - 1149 State County Permi

### 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 OIL M	D GRO, DEFERTION OF ENERGY
S) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COAL OPERATOR
	Address
(i) Name Jerry Walters	
Address Alvy, W. Va. 26322	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECOR
(ii) Name Ruppert S. & Lyla S. Dawson	Address
Address Alvy, W. Va. 26322	
	7 (iii) COAL LESSEE WITE DECLARATION ON RECORD:
(iii) Name ·	Name
Address	Address
TO THE PERSON(S) NAMED ABOVE: You should be	ve received this Form and the following documents
	-
• • • • • • • • • • • • • • • • • • • •	ion or Waste Disposal Well Work Permit on Form
· · · · · · · · · · · · · · · · · · ·	involved in the drilling or other work, and
(2) The plat (surveyor's map) showing t	
	an 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	n or waste disposal is, lo
	HAT YOU HAVE RIGHTS REGARDING THE APPLICATION
	N 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.
proposes to file or has filed this Notice and Well Work Permit with the Director of the Director of the Director of the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy, with respect to a well at the local Energy of the local Energy o	st Virginia Code, the undersigned well operator d Application and accompanying documents for a vision of Oil and Gas, West Virginia Department ation described on the attached Application and his Notice, the Application, the plat, and the mailed by registered or certified mail or delivery by publication in certain circumstances) on or Director.
he person signing this document shall make collowing certification:	the
"I certify under penalty of law that I h	have Pennzoil Products Company
personally examined and am familiar with	
information submitted in this document	
attachments and that, based on my inquir	
those individuals immediately responsible	
obtaining the information, I believe the	
information is true, accurate, and comp	
an aware that there are significant pen	
submitting false information, including	
possibility of fine and imprisonment.	
	;

FORM	WW-3(B)	FILE COPY	Y
(Obve	erse)		52
7/85	erse)		



1)	Date:	May 29	)	, 19_86
2)	Operator's Well No	Jasper	Lemasters	#17
•	SIC Code API Well NO.	47 State	- <u>095</u> County	- <u>1149-L</u> I Permit
5.	UIC Permit N	0		

DIVISION OF OIL SOAS

STATE OF WEST VIRGINIA

DEPARTMENT OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

### DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

						. ,	chart.	. Nader, est	in the synth	eg i Aliter i elli.	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	sheli 1
6 WEII	TVPF	Liquid	injection	X / c	as inic	ection (n	ot storage)		Waste disposal_			The second of the second
7) LOCA		,		982			<u> </u>	Watershed:		•		A CONTRACTOR AND A CONT
ij Loca	11014.	District		McElro	У			County:	<u>Tyler</u>	Quadrangle:	Center	<u>rpoint 7.</u> 5
8) WELL	OPER		-	nzoil C	ompa	ny		9	DESIGNAT		lames A.	
0, 11222		ss	P.O.	Box 1	588			A. C.	Add		0. Box	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Park	kersbur	g. h	IV 2	26102	y t	Charles 1		arkersbi	irg. WV
10) OIL 8	GASI	NSPECT		E NOTIFI	•		× 3					
•		. :	Robe	ert Low	ther	, , .		11	) DRILLING	CONTRACTOR:	1 to 1 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	٧.
			Gene	eral De	live	ry			Name			
7100			Mido	llebour	ne.	WV			Addr,ess			
										g kostijt i ladi setori		
12) PROF	POSED	WELL W	ORK:	DrillX	<u> </u>	/ Drill	deeper_		Redrill	/ Stimulate		
12, 1101	0022			Plug off	old	formatic	n/ Perfo	orale new	formation/	Convert/		
							n well (specif					
13) GEO	i ogica	AI TARG	ET FORM	MATION,					D	epth_ <u>2870fe</u> et	(top) to <u>289</u>	feet(bottom)
14) Estim	ated de	nth of cor	nnleted w	ell. (or acti	ual der	th of ex	isting well)	2945	ft.			
14) Estili	ovimate	water str	ata denth	s; Fresh,_		00	feet; s	alt, 158	32feet.			
							782					
16) Appr	oximate	mined in	the area?	Yes/	/ No	Χ /						
17) Is coa	al being	innied in	rain target	formation	12	260	nsig Sou	rce (	estimated			
18) Virgii	n reserve	on pressur	cture prec	sure	350	00 ps	i		psig (BHFP)			
19) Estim	ialeu res	DDODOS	en inte	CTION OF	FRAT	IONS:	Volume per			hr Bottom hole press	ure <u>233</u>	2_psi
20) MAX	IMUM	PROFUS	CATION	OF MAT	FRIAI	S TO BE	INJECTED	). INCLUD	ING ADDITIVE	s: _Fresh/pro	duced wa	ter treate
21) DET.	AILED. wi	th had	ctario	ides ar	יק ט. בעועד	ther	chemica	ls as i	s necessar	cy to maintai	n water	quality
20) 541.7	TDC (IE	CH DU	car	tridae	and	or c	oal bed	filter	S			
22) FILT	EKS (IF	TIONE E	OD CATU	CODIC PRO	TEC	TION A	ND OTHER	CORROSIC	ON CONTROL:	;		
23) SPEC	CIFICA	HONS FO	· OK CAIR	IODICIK	·	TOIN A	, DOTTIEN				;	
		ID TUBU	NC PROC	CD AM								
24) CAS	ING AN	ID TOBII	NG PROC	3KAWI		_	_				11	vene
CASING O		,	SPEC	IFICATIONS Weight	1		FO	OTAGE INTE	RVALS	CEMENT FILL-UP OR SACKS	, rac	KERS
TUBING I	IFE	Size	Grade	per ft.	New	Used	For drill	ling	Left in well	(Cubic feet)	-	
Conductor										<u> </u>	Kinds	· · · · · · · · · · · · · · · · · · ·
Fresh water		7	H-40	20#	X			832	832	Cement to s	11	
Coal											Sizes	
Intermediate					ļ						<b> </b>	
Production		4-1/2	J55	9.5	X		2	945	2945	250 sks	Depths set	<del></del>
Tubing					<u> </u>					50/50 posmix	<b></b>	
					<u></u>						Perforations:	
Liners						-					Тор	Datter
Liners	- 1		I .	1								Bottom
Liners											1	Bottom
Liners												Bottom
	DUCAN	T'S OPF	RATING	RIGHTS w	ere acc	uired fro	om	Ja	sper and	Mary Lemaster	r's	Bottom
25) APF	PLICAN		RATING ease X	RIGHTS w	ere acc	uired fro	om	Ja	sper and March 23	Mary Lemaster ,XB	rs ( 1897	of record in the

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