

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

Well Operator's Report of Well Work

		operator werr nove it whilm i	20
Farm name:	DEPT. NATURAL RESOURCES	Operator Well No.: I. REILLY I	-20

LOCATION: Elevation: 1,476.00 Quadrangle: CENTER POINT

District: GREEN County: WETZEL
Latitude: 2550 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 6950 Feet West of 80 Deg. 40 Min. 0 Sec.

bongicude 0750 reet west	. 01 00	Deg. 40 Mil	r. o sec	•
Company: PENNZOIL PRODUCTS COMPANY -				
P O BOX 5519		Used in	Left	Cement
VIENNA, WV 26105-5519	& Tubing	 Drilling	 in Well	Fill Up
Agent: JAMES A. CREWS				
Inspector: RANDAL MICK	Size			surface
Permit Issued: 11/16/94 Well work Commenced: 11/18/94	8-5/8	748'	748'	295 sks.
well work completed: 12/16/94		 	 	
Verbal Plugging Permission granted on:	 	 	 -	
Rotary X Cable Rig	4 ½	3422.9	3422.9	300 sks.
Total Depth (feet) 3427 Fresh water depths (ft) N/A		 	 	
		<u> </u>		i
Salt water depths (ft) N/A	 	 	 	
Is coal being mined in area (Y/N)? N Coal Depths (ft): N/A				ļ į
coar Depths (It): N/A		 	 	
OPEN FLOW DATA * Water Injection Well				•
waser migosolon well				
Producing formation Gordon Gas: Initial open flow * MCF/ Final open flow * MCF/	/d Oilo Tr	Pay zone (depth (ft) 3333-3375
Final open flow * MCF	/d F:	inal open fi	low <u>*</u>	Bb1/d
Time of open flow between in Static rock Pressure psice	litial and	i iinai tesi	CS .	Hours Hours

Second producing formation Gas: Initial open flow MCF, Final open flow MCF,	d Oil: Tr	_ Pay zone (nitial open	depth (ft)Bb1/d
Final open flow MCF	/d F	inal open fi	Low	Bb1/d
Time of open flow between in Static rock Pressurepsice	ITCIAI AIK	u iinai tesi	CS .	Hours
psic	y (Surrace	e pressure,	arter	Hours
NOTE: ON BACK OF THIS FORM PUT THE	FOLLOWING	C• 1) Demi	AILS OF P	₽₽₽△₽スᲝ₽₽
INTERVALS, FRACTURING OR STIMULATING	, PHYSICA	AL CHANGE,	ETC. 2).	THE WELL
LOG WHICH IS A SYSTEMATIC DETAILED INCLUDING COAL ENCOUNTERED BY THE WELL	GEOLOGICA	AL RECORD (OF ALL FO	RMATIONS,
	BOKE.			
For: PENNZOI	Z\PRODUCTS	S COMPANY		
\mathcal{L}				
By:	mach, 17	2/5-		
<u> </u>	/	1/33	· · · · · · · · · · · · · · · · · · ·	

TREATMENT

Perforated with 16 holes 3342'-3350'. Treated with 300 gallons HCL acid, 285 barrels gelled water and 7,000 lbs. of 20/40 sand.

WELL LOG

Sand & Shale - 0 - 1242' - 1242'-1248' Sand & Shale - 1248'-1778' Sand - 1778'-1840' Sand & Shale - 1840'-1876' Sand - 1876'-1930' Shale - 1930'-2068' Sand - 2068'-2095' Shale - 2095'-2270' Sand - 2270'-2330' Sand & Shale - 2330'-2565' Sand 101000 - 2565'-2608' Sand & Shale - 2608'-2726' Shale - 2726'-3308' Stray - 3308'-3324' Gordon - 3333'-3375' T.D. - 3427**'**.

FORM $WW-3(B)$	FILE COPY
(Obverse)	
10/91	

SEP 1 4 1994



1)	Date:	September 7	, 19_94		
2)	Operator's Well No	IRENE REILLY	# I-20		
3)	SIC Code				
4	API Well NO		1645-L Permit		

5. UIC Permit No. ofssued

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INVENIENCE OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION

For the

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

•	VELL TYPI .OCATION		•			ection (1 1476	watersho	d: Flu	harty Fork		2 8
		District	l:	Green			County:	Wetzel	Quadrangle	Centerpo	int
8) V	VELL OPE	RATOR _	Pennzo	il Pro	<u>duct</u>	s Cor	npany	9) DESIGNAT	ED AGENT Ja	mes A. Crev	7S
	Add			Box 55	19	- 44	270 3145°	Add	ress P.	0. Box 55	L9
			Vienna	, WV	<u> 2610</u>	15	5'		Vi	enna, WV 2	26105
10) C	DIL & GAS	INSPECT	OR TO B	E NOTIPE	ED						
1	10111	ke Und						II) DRILLING	CONTRACTOR:		
		Route					·	Name			
	Sa	lem, W	V 264	26				Address_			
									· · · · · · · · · · · · · · · · · · ·		
12) F	PROPOSED	WELL W	ORK:	Drill	<u>x</u>	/ Drill	deeper	ノ Redrill	/ Stimulate	<u>x</u>	
				Plug off	old	formatio	on/ Perforate nev	formation/	Convert/		
							n well (specify)				·
13) (GEOLOGIC	AL TARG	ET FORM	AATION,	<u>Go</u> 1	don	419	C	epth 3329 fee	et(top) to_3344_	feet(bottom)
14)	Estimated de	epth of cor	npleted we	ell, (or act	uai dep	oth of ex	cisting well) 3430	ft.			
15)	Approximat	e water stra	ata depths	; Fresh,_	659		feet; salt,16	86feet.			
16)	Approximat	e coal seam	depths:	1291 '							
	ls coal being				No.	x /					
	Virgin reserv				1 1	400	_psig. Source	Estimated			
	Estimated re	•	-			500	· -	_psig (BHFP)		·	
20)	MAXIMUM	1 PROPOS	ED INJEC	TION OP	ERAT	IONS:	Volume per hour:	25	Bottom hole pres		
21)	DETAILED	IDENTIF	ICATION	OF MAT	ERIAL	S TO B	E INJECTED, INCLU	DING ADDITIVE	S: Freshwate	r, produce	d water,
	bacter:	icides	and ot	her ch	emi	cals	as needed to	maintain wa	iter quality	and improv	e oil
22)	FILTERS (I	F ANY):	Cartri	idge ar	id/o	r Coa	lbed Filters			reco	very.
							ND OTHER CORROS	ION CONTROL:			
,											
24)	CASING A	ND TUBIN	NG PROG	RAM							
CAS	ING OR	1	SPECI	FICATIONS		1	FOOTAGE IN	TRVALC	CEMENT FILLUP	I PACKEI	. c
	ING TYPE	. 1	1	Weight		l l	1		OR SACKS	PACEE	
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	 	
Condu		8-5/8	L.S.	20	x		730'	730	Cement to	Kinds	
Fresh	water	0-370		20	<u> </u>		,,,,	730	surface	#	
Coel		 			 				Surrace	Sizes	
	nediate	4 ½	J-55	10.5	x		3430	3430	Cement over		
Produ		72	3-33	10.5	<u> </u>	 	3430	3430	salt sand	1 247	
Tubin		 				 			Sait Sain	 	
Liners						 			1	Perforations:	
		 			 	 			1	Тор	Bottom
					 						
		8		L	L	L	Trene Re	illy et. a	1 -		
25)	APPLICA					-	UIII	September	23	1895	
		/ le	ase_A				T		/. 7	103	f record in the
	W	etzel			County	Clerk's	office in Leas	E	Book 4/	at page 195	

FORM WW-3(A) Obverse

RECEIVED Office of Oil & Gas **UIC Section**

SEP 14 1994

WV Division of Environmental Protection WEST VIRGINIA

information is true, accurate, and complete. I

submitting false information, including the

possibility of fine and imprisonment.

1)	Date	September	7,	1994
	Oparat	or's		

2) Well No. IRENE REILLY #I-20

3) SIC Code

4) API Well No. 47 103 -1645-6 State County Permit

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

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

6) SURFACE OWNER(S) OF RECORD TO BE SERVED 7	(i) COAL OPERATOR N/A
	Address
(i) Name WV Public Land Corporation	
	(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
1900 Kanawha Blvd. E.	Name
(ii) Name Charleston, WV 25305	Address
Address	
WV Department of Natural Resources	(iii) COAL LESSEE WITH DECLARATION ON RECORD:
(iii) Name 1304 Goose Run Road	Name
Address Fairmont, WV 26554	Address
Attn: Gary Foster	
TO TUE DEDCOV(C) WANTE ADOUT V. J. 11 h	
TO THE PERSON(S) NAMED ABOVE: You should have re	eceived this form and the following documents:
(1) The Application for a Liquid Injection (or Waste Disposal Well Work Permit on Form
• •	olved in the drilling or other work, and
(2) The plat (surveyor's map) showing the we	
	n Form WW-9 (unless the well work is only
	n for erosion and sediment control and for
reclamation for the site and access road	
reclamation for the site and access road	↓ •
The date proposed for the first injection or	waste disposal is, 19
THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT	VOIL HAVE RIGHTS REGARDING THE APPLICATION
WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON TH	
(FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU	
(FORM WW-3(B)) DESIGNATED FOR 100. HOWEVER, 100	ARE NOT REQUIRED TO TAKE ANT ACTION AT ALL.
Take notice that under Chapter 22B of the West V	irginia Code, the undersigned well operator
proposes to file or has filed this Notice and Ap	plication and accompanying documents for a
Well Work Permit with the Director of the Division	
of Energy, with respect to a well at the location	
depicted on attached Form WW-6. Copies of this	
Construction and Reclamation Plan have been mail	
ered by hand to the person(s) named above (or by	
before the day of mailing or delivery to the Dir	ector.
The person signing this document shall make the	
following certification:	
Tollowing Celtification:	
"I certify under penalty of law that I have	Pennzoil Products Company
personally examined and am familiar with th	e / Well Operator
information submitted in this document and	
attachments and that, based on my inquiry o	f By Junually Timothy P. Roush
those individuals immediately responsible f	
obtaining the information, I believe that t	

am aware that there are significant penalties for Telephone (304) 422-6565