

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

Well Operator's Report of Well Work

Farm name:	WVA. PUBLI	C LANDS	Operator	Well No.: C	PENNICK	0-15
LOCATION:	Elevation:	1,458.00 Qu	adrangle: CE	NTER POINT		
	District: Latitude: Longitude	GREEN 7400 Feet S 11100 Feet W	outh of 39	ounty: WETZE Deg. 30Min. Deg. 37 Mir	Sec.	
P. VIE	INZOIL PRODU O. BOX 5519 INNA, WV 26	105-5519		Used in Drilling		Fill Up
Inspector: Permit Issu Well work (Well work (MES A. CREWS RANDAL MICK led: Commenced: Completed:	05/25/94 08/04/94	Size 8-5/8	705.10	705.10	To surface 225 sks.
Rotary X Total Depth	granted on: Cable (feet) depths (ft	Rig 3479	4-1/2	 3452.2 	 3452.2 	 300 sks.
Is coal be:	depths (ft) ing mined ir s (ft):	area (Y/N)?	N	 	 	
Produ Gas:	cing formati Initial oper Final open f	* Water Inject on Gordon on flow * In flow * In flow between sure I	MCF/d Oil: I MCF/d F n initial an	d final tes	ts	Hours
Secon Gas: Stati	d producing Initial open Final open : Time of open c rock Press	formation	MCF/d Oil: I MCF/d F n initial an psig (surfac	Pay zone nitial open inal open f d final tes e pressure)	depth (ft flow low ts after	Bbl/d Bbl/d Hours
INTERVALS, LOG WHICH	FRACTURING IS A SYST	S FORM PUT TO OR STIMULAT EMATIC DETAIL TERED BY THE	ING, PHYSIC ED GEOLOGIC	AL CHANGE,	ETC. 2).	THE WEL

For: PENNZOIL PRODUCTS COMPANY

By: Date:

TREATMENT

Perforated with 20 holes 3374'-3384'. Treated with 300 gallons 15% HCL acid, 282 barrels gelled water and 7000 # 20/40 sand.

WELL LOG

Sand &	Shale	0'-1103'
Sand		1103'-1152'
Sand &	Shale	1152'-1322'
Sand		1322'-1340'
Sand &	Shale	1340'-2050'
Sand		2055'-2083'
Shale		2083'-2103'
Sand		2103'-2120
Shale		2120'-2172'
Sand		2172'-2208'
Shale		2208'-2294'
Sand		2294'-2323'
Shale		2323'-2500'
Sand		2500'-2512'
Shale		2512'-2526'
Big In	jun	2526'-2764'
Shale	_	2764'-3334'
Stray		3334'-3337'
Shale		3337'-3352'
Gordon		3352'-3396'
T.D.		3479'
		•

FORM	₩-3(B)	FILE COPY
(Obve	erse)	

10/91

Rose 41



1)	Date:	April 2	<u> </u>	94
2)	Operator's Well No. C.	C. PENNIC	K #0-15	
3)	SIC Code			
4	API Well NO.	47 · 1	03	1634-LI Permit
5.	UIC Permit No.		-	

STATE OF WEST VIRGINIA

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

for the

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

7) LOCATIO	N: Elevati	on: 145	58 '	1		Watersh	- Pinev	Fork		_
i) LOCATIO	Distric	C	een	- 5	· · · · · · ·	County:			: Centerpoint	Þ
e WELLOP				lucts	Comp	pany 4670		TED AGENT James		
			Box 551					dress P. O.		
			WV 2				70		a, WV 26105	
O) OIL & GA	S INSPECT	OP TO B	E NOTIFI	FD	:					
Name			nderwoo				II) DRILLING	CONTRACTOR:	· · · · · · · · · · · · · · · · · · ·	
Address	1	Route	2, Box	135			Name	CONTRACTOR.		
Addies		Salem,		5426			Address			
				· · · · · · · · · · · · · · · · · · ·			, 101.00			
2) PROPOSE	D WELL W	ORK:	Drill_X		Drill	deeper	Redrill	/ StimulateX		·····
			Plug off	old fo	rmation	Perforate nev	w formation/	Convert/		
				•	_	well (specify)				
3) GEOLOGI	ICAL TARG	ET FORM	AATION,	Gord	lon	419		Depth <u>3338</u> fee	((top) to <u>3353</u> feet(t	ottom
14) Estimated	depth of cor	npleted w	ell, (or acti	ual depth	of exis		<u> </u>			
15) Approxima	ate water str	ata depths	; Fresh,_	638	3	_feet; salt,	1665 feet.			
6) Approxima	ate coal seam	depths:	1270						·	
7) Is coal being	ng mined in	the area?	Yes/	NoX	_/					
		- in toract	formation	1400)	psig. Source	Estimated			
18) Virgin rese	rvoir pressur	e in ran Rei	101 manon			P				
	rvoir pressur reservoir fra					p.s. 500.tt	psig (BHFP)			
19) Estimated 20) MAXIMU	reservoir fra	cture press ED INJEC	ture 350	DO ERATIC	NS:	Volume per hour:	psig (BHFP) 25	Bottom hole press		
19) Estimated 20) MAXIMU 21) DETAILE	reservoir fra IM PROPOS ID IDENTIF	cture press ED INJECTION	TION OP	DO ERATIC ERIALS	NS:	Volume per hour: INJECTED, INCLU	psig (BHFP) 25 JDING ADDITIV	ES: Freshwater	, produced wa	ter,
19) Estimated 20) MAXIMU 21) DETAILE bacterc:	reservoir frac IM PROPOS ID IDENTIF ides and	cture press ED INJEC ICATION 1 other	TION OP OF MATE chemi	ERATIC ERIALS LCals	NS: TO BE	Volume per hour: INJECTED, INCLU	psig (BHFP) 25 JDING ADDITIV	Bottom hole press ES: Freshwater er quality and	, produced wa	ter,
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19) Estimated 20) MAXIMU 21) DETAILE bactere: 22) FILTERS 23) SPECIFIC 24) CASING A CASING OR TUBING TYPE Conductor Fresh water	reservoir fraction PROPOS D IDENTIF ides and (IF ANY): CATIONS FO	ED INJECTION OF CATHORICATION OF CATHORICATH	CTION OP OF MATI r chemi dge and ODIC PRO RAM PICATIONS Weight per ft.	ERATIC ERIALS LCals LOTECTIO	ONS: YOUR AS IT COULD NAME	Volume per hour: INJECTED, INCLU- needed to mai ped filters. DOTHER CORROS	psig (BHFP) 25 UDING ADDITIVE Intain wate	CEMENT FILLUP OR SACKS (Cable feet) Cement to	produced wa improve oil recove	
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See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

FORM	WW-	3	(A)
Obver	se		

APR 2 6 94

1) Date <u>April 21, 1994</u> Operator's

2) Well No. C. C. PENNICK 0-15

3) SIC Code

API Well No. 47 4) - 103 -1634-6 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

6) SUR	FACE OWNE	ER(S) OF RECORD TO BE SERVED	7 (i)	COAL OPERATOR N/A Address
(i)		V Public Land Corporation Bldg. #3, Room 643	7 (ii)	COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii)	Name	1900 Kanawha Blvd. E. Charleston, WV 25305		NameAddress
()	Address_	Dep't. of Natural Resources	7 (iii)	COAL LESSEE WITH DECLARATION ON RECORD:
(111)	NameAddress_	1304 Goose Run Road Fairmont, WV 26554 Attn: Gary Foster		Address
TO THE	PERSON(S)		e receive	ed 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
- The plat (surveyor's map) showing the well location on Form WW-6; and (2)
- 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 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 delivered 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.

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 the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the 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.

Pennzoil Products Company		
yely operator		
Time	where D. Dave	_

Its Supervisor, Surveying/Mapping