

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

Well Operator's Report of Well Work

DEC 0 7 95

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Farm name: WVA. PUBLIC LAND CORP. Operator Well No.: H. NOLAND M-17

LOCATION: Elevation: 1,000.00 Quadrangle: CENTER POINT

N/A

District: GREEN County: WETZEL

Latitude: 6250 Feet South of 39 Deg. 30Min. Sec. Longitude 1900 Feet West of 80 Deg. 40 Min. Sec.

Company: PENNZOIL PRODUCTS COMPANY P. O. BOX 5519 Casing | Used in Left |Cement | VIENNA, WV 26105-5519 |Fill Up| Tubing | Drilling in Well|Cu. Ft. Agent: JAMES A. CREWS Size Inspector: RANDAL MICK Permit Issued: 05/12/93 Well work Commenced: Well work Completed: 9/14/93 10/16/93 Verbal Plugging 8 5/8 256 256 100 Sks. Permission granted on: Rotary X Cable Total Depth (feet) Rig 3050 Fresh water depths (ft) 4 1/2 2979.00 2979.00 | 300 Sks.

OPEN FLOW DATA

Coal Depths (ft):

Salt water depths (ft)

Is coal being mined in area (Y/N)? N

Producing formation	Gordon	Pay zone depth (ft)	2868 - 2930
Gas: Initial open flow	* MCF/d O	il: Initial open flow *	Bb1/d
Final open flow	* MCF/d	Final open flow *	Bb1/d
Time of open flow h	oetween initi	al and final tests	Hours
Static rock Pressure	psig (s	urface pressure) after	Hours
water injection Well			
Second producing formati		Pay zone depth (ft)	
Gas: Initial open flow	MCF/d O	il: Initial open flow	Bb1/d
Final open flow	MCF/d	Final open flow	Bb1/d
Time of open flow h	petween initi	al and final tests	Hours
Static rock Pressure	psig (s	urface pressure) after	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 PRODU	JCTS COMPANY	
	12 11	\sim	
	P 11/1	\mathcal{U}	
	By: Jewelly	1000	
	Date:	12/6/93	
		12/0/03	

TREATMENT:

Perforated: 2893 - 2896 6 Holes

2900 - 2910 20 Holes

Treated: 300 Gal. 15% HCL Acid, 281 Bbl. Gelled Water &

1900# 80/100 Sand & 3700# 20/40 Sand

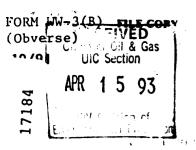
WELL LOG:

18111

Sand & Shale	0 - 535
Sand	535 - 562
Shale	562 - 650
Sand	650 - 700
Sand & Shale	700 - 1130
Sand	1130 - 1240
Sand & Shale	1240 - 1430
Sand	1430 - 1460
Shale	1460 - 1500
Sand	1500 - 1540
Sand & Shale	1540 - 2030
Little Lime	2030 - 2044
Pencil Cave	2044 - 2053
Big Lime	2053 - 2120
Shale	2120 - 2150
Big Injun	2150 - 2300
Shale	2300 - 2868
Stray	2868 - 2873
Gordon	2873 - 2930

T.D. 3050

DF -411





1) Date:	A	pril	13		_, 19	93
2) Operator's Well No	HE	NRY N	IOLAN	ID #H	-17	
3) SIC Code						
4 API Well N	10.	47 State	- -	103 County		544-L]
5. UIC Permi	No.					

STATE OF WEST VIRGINIA

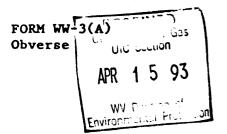
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

for the

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

				v .							
. *		•	٠.		i a s inj	ection (not storage)				
7)	LOCATION			.000'		~		ed: Piney		Combonned	280
		Distric	t:	Green		- 3-		Wetzel		Centerpoint	
8)	WELL OPE	7		ox 5519		s co.			TED AGENT		
	Add							- Ad	dress P.O. Box		
	2	,		, WV 2		5 📝			vienna,	WV 26105	
10)	OIL & GAS			E NOTIFI							
	Name Ra			· -			derwood	II) DRILLING	CONTRACTOR:		
				re Dr.			<u>Box</u> 135	Name	- 		
		<u>Manning</u> 26582	gton,	<u>wv</u>	Sa	iem.	<u>WV 26</u> 426	Address_			
12)	PROPOSED		ORK:	Drill			•		/ Stimulate	х/	
	•			-			on/ Perforale ne	w formation/	Convert_/		
				-		_	n well (specify)	 		2005	
13)	GEOLOGIC	CAL TARG	ET FOR	MATION,		Go	ordon		Depth 2890 feet	(top) to <u>2905</u> feet(t	ottom)
14)	Estimated de						kisting well) 29	190 ' ft.			
15)	Approximat	e water str	ata depth:	s; Fresh,	18	30	feet; salt,	feet.			
16)	Approximat					10					
17)	Is coal being	mined in	the area?	Yes/	No.	X _/					
18)	Virgin reserv	voir pressur	e in targe	formation	1		_psig. Source	ESTIMATED	· · · · · · · · · · · · · · · · · · ·		
19)						<u>3500 </u>		psig (BHFP)		0000	
20)	MAXIMUM	1 PROPOS	ED INJE	CTION OP	ERAT	IONS:	Volume per hour: _	25	Bottom hole press		
21)	DETAILED	IDENTIF	ICATION	OF MATI	ERIAL	S TO B	E INJECTED, INCLI	JDING ADDITIV	ES: Fresh wate	r, produced w	ater,
									<u>n water quali</u>		
22)							l/or Coal Bed				ry.
23)	SPECIFICA	ATIONS FO	OR CATH	ODIC PRO	TECT	NOI1	ND OTHER CORRO	SION CONTROL:			
24)	CASING A	ND TUBI	NG PROC	GRAM			-				
	ASING OR	1 .	SPEC	IFICATIONS			FOOTAGE IN	TERVALS	CEMENT FILLUP	PACKERS	
π	JBING TYPE	Size	Crade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Cor	ductor			,						Kinds	
	h water	8 5/8	L.S.	20	X		252	252	Cement to		
Coe	J								Surface	Sizes	
	rmediate										
	duction	4 1/2	J-55	10.5	X		2990	2990	Cement over	Depths set	
·Tut	ing								Salt Sand		
Lin										Perforations:	
										Top Bott	om
									المراكب والأسوار		
		H							1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
251	APPLICA	NT'S OPFI	RATING	RIGHTS w	re aco	uired fr	om Henry &	Mary Nola	nd		
,								ecember 7,		1894, of reco	rd in the
	-,	Wetz						356	Book 46	at page 93	

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



1)	Date	April	13, 19	93
	Operator's	}		
2)	Well No.	HENRY	NOLAND	#M-17

3) SIC Code

API Well No. 47 - 103 - 47 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

SUR	FACE OWNE	R(S) OF RECORD TO BE SERVED	7 (i)	COAL OPERATOR	N/A
				Address	
(i)	Name_WV	Public Land Corp.			
	Address	Bldg. #3, Room 643	7 (ii)	COAL OWNER(S)	WITH DECLARATION ON RECORD:
		1900 Kanawha Blvd., E.		Name	
(ii)	Name	Charleston, WV 25305		Address	
	Address				
	_	Dept. Natural Resources	7 (iii)	COAL LESSEE W	ITH DECLARATION ON RECORD:
(iii)	Name	1304 Goose Run Road		Name	
	Address	Fairmont, WV 26554		Address	
	_	ATTN: Gary Foster			
O THE	DEDCON(C)	NAMED ADOVE . V		1	

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
- (2) The plat (surveyor's map) showing the well location on Form WW-6; 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 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 submitting false information, including the possibility of fine and imprisonment.

PENNZOIL PRODUCTS COMPANY

Well Operator

Timothy P. Pouch

Its Supervisor - Surveying/Mapping

Telephone (304) 422-6565