

State of West Virginia
Division of Environmental Protection

JAN 26 1997

Section of Oil and Gas

(	Farm name: Well Operator's Report of Well Work  Operator Well No.: U. Stackpole #E-11								
Farm name:	Stackpole, Et	ella Edna				ackpole #E-11			
LOCATION:	Elevation:	1,097.00	Qua	drangle:	Center Poi	nt			
	District: Latitude: Longitude:	McElroy 12,050 Feet south of 10,000 Feet west of		nty: Tyle Deg 30 Deg 40	Min 0	Sec.			
Company:	P.O. BOX 55	PRODUCTS COMPANY 19 V 26105-5519		Casing & Tubing	Used in  Drilling	Left in Well	Cement Fill Up Cu. Ft.		
Agent:	PHILIP S. O	NDRUSEK		Size					
Inspector: Permit Issued: Well work Con	Mike Underw	6/10/96							
Well work Con Verbal plugging permission grar	ipleted:	8/29/96 10/4/96		8-5/8''	350'	350'	220 Sacks		
	_Cable et)	Rig 3143' NA		4 ½"	3046'	3046'	275 Sacks		
Salt water dept	hs (ft)	NA							
Is coal being microal Depths (ft		N) N 922-926							
OPEN FLOW I	DATA	*Well was drilled as a wa	aterfloo	od injection	ı well. No o	pen-flow data w	as obtained		
	ing formation	Gordon		·	Pay zone d	epth (ft)	2969-2984		
Gas:	Initial open flo Final open flo	· ————————————————————————————————————	ACF/d ACF/d		al open flow		* Bbl/d		
		n flow between initial ar		l tests	l open flow	* Hours	* Bbl/d		
Static 1	rock pressure			irface pres	ssure)	after	Hours		
	producing for				Pay zone de	epth (ft)			
Gas:	Initial open flo		/ICF/d	Oil: Initia	al open flow	, (L)	Bbl/d		
	Final open flo	w M n flow between initial an	ACF/d	Fina	l open flow		Bbl/d		
Static 1	ock pressure			rface pres	ssure)	After Hours	Hours		
NOTE: ON BACK OR STIMULATIN	OF THIS FORM	PUT THE FOLLOWING: 1) HANGE, ETC. 2) THE WELL	DETAII LOG V	LS OF PERF VHICH IS A	ORATED IN	TERVALS, FRAC'	TURING		

GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

By: Date:

For. PENNZOIL PRODUCTS/COMPAN

**Treatment:** 

Perforations:

2979' - 2983' - 4 holes/ft. (16 holes)

Teatment:

Treated via 4.5" Casing with 300 gals. 15% HCl, 216 bbls.

Borate cross-linked gelled water and 11,500 lbs. of 20/40 sand.

## Well Log:

TD = 3143'

Sand & Shale	0	-	272
Sand	272	-	294
Sand & Shale	294	-	730
Sand	730	-	782
Shale	782	-	922
Coal	922	-	926
Shale	926	-	950
Sand	950	-	980
Shale	980	-	1302
Sand	1302	-	1310
Shale	1310	-	1324
Sand	1324	-	1344
Shale	1344	-	1352
Sand	1352	-	1358
Shale	1358	-	1414
Shale	1414	-	1508
Sand	1508	-	1558
Shale	1558	-	1614
Sand	1614	-	1636
Shale	1636	-	1702
Sand	1702	-	1732
Sand & Shale	1732	-	2117
Sand	2117	_	2144
Big Lime	2144	-	2220
Big Injun	2220	-	2390
Shale	2390	• •	2944
Gordon Stray	2944	-	2962
Shale	2962	-	2909
Gordon	2909	-	2984
Shale	2984	-	2993
Sand	2993	-	3009
Shale	3009	-	(3143)

10/9	•							2) Well N				ckpole No.	
	1				in and	1 3 19	96	3) SIC Co					
				1			~	4) API W	ell No.	47 -	095	•	1648-
				Env	WV D	ivision of ntal Protec	ction	5) UIC Co	ode .	State	County	y 	Permit
										علم	suga	1 061	10/96
	NOTICE O	F LIQII	ID IN.IE	CTTON	ODU	A COMEN	vest virgi Disposal W	NIA		- Ex	reres	1 00/	0/98
i		ı Liqo	1101	2011011	OIL W		or the	ELL WORK	PEKN	IIT APP	LICATIO	ЙO	
:	Ι	DIVISIO	N OF E	NVIRON	MEN		ROTECTION	OFFICE OF	OTT.	AND GAS	3	·	1 + 1 + 1
i	WELL TYPE			d Injection			Gas Injection				e Disposa	1	riterio og
	LOCATION:		Elevation	1097	,		· Wa	tershed 5	Stackpo	21			
		District	:	McElroy		<i>≶</i> / ‰	unty Tyle			Quadrangi	e (	Centerpoint	. 2
) .	WELL OPER	RATOR:	Pennzoil	Products	Compa	nv467	ות נפ 🌣	ESIGNATED A		_	p S. Ondr		
			P.O. Box					-	GB111.		0. Box 55		,
			Vienna,	WV 26105	3			:	· -		na, WV 2		1
))	OIL & GAS I				D:		11) I	RILLING CON	TRACT	OR:		* ************************************	
			Mike Un				·		Name				
		Address	Route 2,	Box 135 VV 26426				· <b>A</b>	.ddress		1 .		
	DDABACTE					· · · · · · · · · · · · · · · · · · ·	-		-	<del> </del>			
2)	PROPOSED	WELL WO	ORK:	Drill		X Old Forms	Drill Deeper		Redrill_		Stimulate		
			•				in Well (specify	Perforate New	7 Forma	tion _		Convert_	
)	Geological ta	rget forms	ition		Gordo	10	• •		10	t. (Top) t	2050		
)	Estimated de	-		ll (or actu				2501		_	2972	Ft. (	Bottom)
)					_		•		3097		<b>'t.</b>		
	Approximate		•	<b>3:</b>	Fresh	·	277	_Ft.		Salt_		1304 F	t.
)	Approximate		_			<del></del>	909	_Ft.					
)	Is coal being	mined in t	he area?			Y	?es	X	No				
١.	Virgin reserv	oir pressu	re in targe	et formatio	on:		1400	)	osig.	Source		Estimated	!
,								<sup>F</sup>				rammared	•
	Estimated rea	servoir fra	cture pres	ssure:			3500	r	osig.			Esumated	•
)	Estimated rea		-			Volum	3500 e per hour	r	osig.		Pressure		
)	Maximum pro	oposed inj	ection ope	rations:	niected		e per hour	25 bbl.	osig. B	ottom Hole		2332 psig.	
)	Maximum pro	oposed injentification	ection ope of materi	rations: ials to be i	njected er qual	, includin	e per hour	25 bbl.	osig. B	ottom Hole			
)	Maximum pro	oposed injection	ection ope of materi led to mai	rations: ials to be i	er qual	, includin ity and in	e per hour g additives: nprove oil recove	25 bbl.	osig. B	ottom Hole		2332 psig.	
)	Maximum pro Detailed inde other chemics Filters (if any	oposed injustification als as need	ection open of materi led to mai Cartridge	rations: ials to be i ntain wat a filters an	er qual d/or co	, includin ity and in al bed filt	e per hour ng additives: nprove oil recove ters	25 bbl.	osig. B	ottom Hole		2332 psig.	
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JB: ond esh al	Maximum production of the chemics of	oposed injointification als as need on the second of the s	cection open a of materialed to mai Cartridge dic protect PROGRA SPECII Grade L.S.	rations: ials to be i ntain wate e filters an tion and o  AM: FICATION Weight 20#	acquir	, including ity and in al bed filter trosion co	g additives: nprove oil recove ters ontrol:  FOOTAGE 1 For Drilling 347	25 bbl.  Fresh wary.  NTERVALS Left in We.  347  3097	Byvater, pr	CEMENT OR SA Cement To Surface Cement Over	FILLUP	PACK Kinds Sizes Depths Se	t tons

1) Date

. FORM, WW-3(B)

FILE

· INU

May 13, 1996

FORM WW-3(A) Obverse

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

MAY 1 6 1903

WV Division of Environmental Protection

1) Date			May 13, 19	996			
2) Well No.	Uriah Stackpole No. E-11						
3) SIC Code		-					
4) API Well No.	47	-	095	-	1648-61		
•	State		County		Permit	***********	

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)	SURFACE O	WNER(S) OF RECORD TO BE SERVED	6 (iv)	SURFACI	OWNERS
				Name	William Carl Thompson
	(i) Name	Luella Edna Stackpole		Address	3412 S. Weymouth Road
	Address	P.O. Box 423		•	Medina, Ohio 44256-9230
		Middlebourne, WV 26149	7 (ii)	COAL OV	VNER WITH DECLARATION ON RECORD:
	(ii) Name	Darrell & Grace Stackpole		Name	N/A
	Address	Alvy, WV 26322		Address	
	(iii) Name	Galford Jr. & Steven G. Wadsworth	<b>5</b> /222\	COAL 12	
	Address	Rt. 2, Box 91	7(III)		SSEE WITH DECLARATION ON RECORD:
	Address	New Martinsville, WV 26155		Name_	N/A
	•	New Martinsvine, W V 26155		Address	
TO'	THE PERSO	N(S) NAMED ABOVE: You should hav	e received this	Form and	the following documents:
(1)		ation for a Liquid Injection or Waste l			ermit on Form WW-3(B), which
(0)		e parties involved in the drilling or ot			·
		urveyor's map) showing the well locat			
(3)		ruction and Reclamation Plan on Form			
	wnich sets	out the plan for erosion and sediment	t control and	or reclar	nation for the site and access road.
The	date propo	sed for the first injection or waste disp	oosal is		
TIT	DEACONV	OU DECENTED THESE DOCUMENTS I		TAXID DI	GHTS REGARDING THE APPLICATION
ı					DE OF THE COPY OF THE APPLICATION
1					
(FU	MAT AN M-9(D)	) DESIGNATED FOR YOU. HOWEVER,	100 ARE NO	I KEQUI	RED TO TAKE ANY ACTION AT ALL.
		Take notice that under Chapter 22B of th			
		proposes to file or has filed this Notice an	d Application	and accom	panying documents for a
		Well Work Permit with the Director of th			
		of Energy, with respect to a well at the lo			
		depicted on attached Form WW-6. Copies Construction and Reclamation Plan have	or this Notice,	tne Appli	ication, the plat, and the
		by hand to the person(s) named above (or	by mildication	in certei	eu or ceruned man or denvered n circumstances) on or hefore
		the day of mailing or delivery to the Direct		ar cor van	in our definition of the service
			· · · <del>·</del>		

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 Its Supervisor, Surveying/Mapping Telephone (304) 422-6565

-	Date			·	 Date(s)	
Application received		Foll	ow-up i	nspection(s)		
Well work started			••			
Total depth reached			••	••		
Well Record received			••	••		
Reclamation completed			••	••		
OTHER INSPECTIONS						
Reason:					 	· !
Reason:		•			-	