

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

Well Operator's Report of Well Work

Farm name:	STACKPOLE,	DARRELL/	GRACE Operator Well	DEC 0 7 93 No.: Q.HUFFMAN F-11
LOCATION:	Elevation:	1,255.00	Quadrangle: CENTER	POINT

District: MCELROY County: TYLER
Latitude: 12900 Feet South of 39 Deg. 30Min. Sec.
Longitude 8000 Feet West of 80 Deg. 40 Min. Sec.

Company: PENNZOIL PRODUCTS COMPANY				
P. O. BOX 5519 VIENNA, WV 26105-5519	Casing	Used in	Left	  Cement  Fill Up
Agent: JAMES A. CREWS	Tubing	Drilling	in Well	Cu. Ft.
Inspector: MIKE UNDERWOOD Permit Issued: 06/07/93 Well work Commenced: 7/15/03	Size	,	     	   
Well work Completed: 9/28/93  Verbal Plugging  Permission granted on:	8 5/8	508	508	165 Sks.
Rotary X Cable Rig Total Depth (feet) 3407 Fresh water depths (ft) N/A	   4 1/2   	3373.40	3373.40	300 Sks.
Salt water depths (ft) <u>N/A</u>				
Is coal being mined in area (Y/N)? No Coal Depths (ft):				

### OPEN FLOW DATA

	Producing formation	Gordon	Pay zone depth	(f+) 3300 - 3365
	Gas: Initial open flow	* MCF/d	()))! • Initial ones flore	* Bb1/c
	rinar open riow	* MCF/d	Final caca floor	* Bb1/c
	rime or oben ilow	between init	ial and final toots	
<b>.</b>	beacie fock Pressure	psia (s	surface pressure) after	Hour
^	Marcel Tillection Metr - NOE I	estea	•	
	Second producing forma		Pay zone depth	(ft)
	Gas: Initial open flow	MCF/d (	Nil: Initial anam fi	Bb1/c
	rinal open flow	MCF/2	7 - 7	Bbl/c
	Static rock Pressure	between init:	ial and final tests	Hour
		psig (	surface pressure) after	Hour:

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELLOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:	PENNZOLL PRODUÇAS, COMPANY
	L
	By: Junthy Ka
	Date: 12/6/93

#### TREATMENT:

Perforated: 3326 - 3340 2 Holes Per Foot - 28 Holes

300 Gal. 15% HCL Acid, 293 Bbl. Gelled Water & 1500# 80/100 Sand & 3500# 20/40 Sand Treated:

#### WELL LOG:

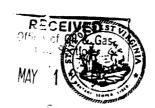
T.D.

Sand & Shale	0 - 910
Sand	910 - 960
Sand & Shale	960 - 1140
Sand	1140 - 1190
Sand & Shale	1190 - 1570
Sand	1570 - 1610
Shale	1610 - 1675
Limestone	1675 - 1830
Sand & Shale	1830 - 2010
Sand	2010 - 2045
Sand & Shale	2045 - 2360
Little Lime	2360 - 2375
Pencil Cave	2375 - 2400
Blue Monday	2400 - 2440
Big Lime	2440 - 2470
Big Injun	2470 - 2740
Shale	2740 - 3300
Stray	3300 - 3320
Gordon	3320 - 3365

3407

DF -411 DFT 419

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



1)	Date:	<u>Ma</u>	<u>y 10.</u>		. 19 <u>93</u>
2)	Operator's Well No	QUI	NTILLA	HUFFMAN	F-11
3)	SIC Code				
4	API Well !	NO.	47	- 095 County	· 1542-L
			State	County	Permit

Dosued 06/07/93

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the CAPAGE OG/07/95

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

1	WELL TYPE	: Liania	Liniection	. X , ,	Ges in	iection (	(not storage)	/ Wasta disposal	,	286
	LOCATION:		1	255'	Jas,	jeetion (	Watersh		oole Run	20 -
	LOCATION.			McElro	<u>у</u>	- 13	County:	m-1		Centerpoint
8)	WELL OPER			il Pro	duct	s Co			TED AGENT J.	
٠,	Addr	***	P.O. E	30x 551	9				dress P.O. Bo	
	Addi			, WV		)5		, ,		WV 26105
10)	OIL & GAS				7			•		
10,			derwoo		LD			II) DRILLING	CONTRACTOR.	
NameRt: #2, Box 135 Name										
	Addies		em, WV							
	-					DIR	ECTIONALLY DR			
12)	PROPOSED	WELL V				√ Dril		_	/ Stimulate	<u>x</u>
				Plug off	old	formati	on/ Perforate ne	w formation/	Convert_/	
				Other ph	ysical		in well (specify)			
13)	GEOLOGIC	AL TAR	GET FOR	MATION,		G	ordon		Depth 3215 feet	(top) to 3230 [eet (bottom)
14)	Estimated de	pth of co	mpleted w	ell, (or act	uai dej	pth of e		5ft.		·
15)						5	feet; salt, 1	462feet.		
16)	Approximate	coal sean	n depths:	10	80					
17)	Is coal being									
18)	Virgin reserve	oir pressu	re in targe	t formation	1	400	psig. Source	Estimated	· · · · · · · · · · · · · · · · · · ·	
19)	Estimated res	ervoir fra	cture pres	sure			3500	psig (BHFP)		
20)	MAXIMUM	PROPOS	SED INJE	CTION OF	ERAT	TIONS:	Volume per hour:	25	Bottom hole press	ure2380
21)										r. produced water,
									er quality &	improve oil recove
22)	FILTERS (IF	ANY):_	Cart	ridge	<u>Filt</u>	ers a	and/or Coal Be	ed Filters		
23)	SPECIFICA	TIONS F	OR CATH	ODIC PRO	OTEC	TION A	ND OTHER CORROS	SION CONTROL		
24)	CASING AN	D TUBI	NG PROC	GRAM						
	SING OR		SPEC	IFICATIONS		. 1	FOOTAGE IN	TERVALS	CEMENT FILLUP	PACKERS
TU	BING TYPE	Star	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cabic feet)	
Cond	luctor									Kinds
Fresh	water	8 5/8	L.S.	20	X		505	505	Cement to	
Coal	l l								Surface	Sizes
Inter	mediate									
Prod	uction	4 1/2	J-55	10.5	Х		3315	3315	Cement over	Depths set
Tubi	ns I								Salt Sand	
Line	·s									Perforations:
										Top Bottom
25)	APPLICAN	T'S OPE	RATING	RIGHTS we	ere aco	uired fro	om Quintilla	& Eugenius	Huffman	
-,							dated Ar			1895 , of record in the
			yler				office in		Pook 25	at page 119

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

FORM WW-3(A)
Obverse

RECEIVED
Office of Oil & Gas
UIC Section

MAY 1 2 93

:

l) Date<u>May 10, 1993</u> Operator's

2) Well No. QUINTILLA HUFFMAN F-11

3) SIC Code

4) API Well No. 47 - 095 - 15-42

State County Permit

n continue in a

STATE OF WEST VIRGINIA

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

DIVISION OF OIL AN	ND GAS, DEPARTMENT OF ENERGY
S) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COAL OPERATOR N/A Address
(i) Name <u>Darrell &amp; Grace Stackpole</u>	
Address Alvy, WV 26322	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORI
(ii) Name	Address
Address	
(iii) Name	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Address	Address
(1) The Application for a Liquid Inject WW-3(B), which sets out the parties (2) The plat (surveyor's map) showing t (3) The Construction and Reclamation Pl 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 TWHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" Of the contraction of the summarized of the contraction of the summarized of the summarized of the contraction of the summarized of the contraction of the summarized of the contraction of	an on Form WW-9 (unless the well work is only plan for erosion and sediment control and for
proposes to file or has filed this Notice and Well Work Permit with the Director of the Diof Energy, with respect to a well at the localepicted on attached Form WW-6. Copies of the Construction and Reclamation Plan have been	est Virginia Code, the undersigned well operator and Application and accompanying documents for a division of Oil and Gas, West Virginia Department eation described on the attached Application and this Notice, the Application, the plat, and the mailed by registered or certified mail or deliver by publication in certain circumstances) on or a Director.
The person signing this document shall make following certification:	
"I certify under penalty of law that I	
personally examined and am familiar wit information submitted in this document	and all $()$
attachments and that, based on my inqui those individuals immediately responsib	
obtaining the information, I believe th	· · · · · · · · · · · · · · · · · · ·
information is true, accurate, and comp	
am aware that there are significant per	

submitting false information, including the

possibility of fine and imprisonment.