



Samples ...

1200-2700

deepwall

WEST VIRGINIA DEPARTMENT OF MINES OIL & GAS DIVISION WELL RECORD

	•				
Permit No. Mars 135 New Martinsville Quad.	metali	77 - 4 - 77 -		Salt Woods &	
Compa ny Address Farm	New Martin Defense Pl	n Plate Glas nsville, W.V Lant Corp.	a. 1: Acres 225		892 6495
Location		of Ohio Riv	er near Pro	ctor 4}	6859
Well No District	2 El Franklin	lev. 710.0 Mar	shall County	v	
Surface	Defense Pl	Lant Corp. ,	Washington,	D.C.	
Mineral			Ca	sing ceme	
Commenced	Oct. 3,194				,000¹ ¹ 0"
Completed	Dec. 21,19	144	Co	al at 242	• 0
Rotary Table Clay S 12.5	12.5 28	Hard Sand	H &Sandy Lime	6254 H 6262	6262 6704
Sand &Gravel \$ 28	69	Anhydrite		\$6704	6751
Shale & Shells S 80	242	Anhydrite	& Salt	S 6751	6755
Coal \$ 242 Shale \$ 247	247 270	Salt		S 6755	6865 68 75
Shale & Shells S 270	370	Anhydrite		S 6865	0013
Shale H 370	580				
Shale & Shells H 580	640		above is a		
Red Bed & Sand H 640 Shale H 700	700	log. Color	of formati	on not re	ported.
Sand & Sandy Shale H 809	80 9 842				
Sand & Shells H 842	880				
Shale H 880	920				
Sandy Shale & Lime H 920	946		•		
Sandy Shale & Sand H 946 Sandy Shale & Lime H 980	980 1055				
Sandy Lime H 1055	1075				
Shale with Sandy Lime H 1075	1095			•	
Sandy Lime H 1095	1135				
Sandy Lime with Shale H 1135 Sand H 1315	1315		•		
Sand H 1315 Sandy Shale with Lime H 1323	1323 1350				
Lime with Hard Sand H 1350	1456	\$ 1.00 m			
Sandy Lime H 1456	1545				
Hard Sand with Lime H 1545 Shale with Lime H 1670	1670				
Shale with Lime H 1670 Sandy Shale & Lime H 1595	1695 1860				
Shale H 1860	1878				
Shale & Lime H 1878	2360				
Hard Sand with Lime H 2360 Shale & Lime H 2388	2388				
Shale & Lime H 2388 Hard Sand & Lime H 2410	2410 2486				
Sandy Lime & Shale H 2486	2510				
Shale & Lime H 251	2538				
Shale & Shells H 2538 Hafd Sandy Lime with Shale 299	2996 3360		•		
Hard Sand & Lime H 3360					•
Sandy Shale & Linee H 3375	3515				
Shale & Lime H 3515	4110		•		
Hard Lime & Shale H 4110 Shale & Lime H 4169	4169				
Shale & Sand H 5395	5395 5410				
Shale & Lime H 5410	5860	~ ,			
Chert H 5860	5867				
Cherty Lime & Chert H 5867 Chert H 5880	5880				
Chert & Sand H 5880 Chert & Sand H 6072	6072 6076				
Hard Sand H 6076	61:34				
Shale & Sandy Lime H 6134	6188	•			
Anhydrite & Lime H 6188	6200			•	
Shale & Lime H 6200 Shale & Lime H 6213	6213				
Shale & Cherty Lime H 6231	6231 6254				
	~ NO +				

FORM WW-3(B) (Obverse)	FILE COPY
7/8 RECEIVED	
Division of Ene Oil and Gas	



1) Date:_ 2) Operator's Well No.

3) SIC Code

4 API Well NO. 5. UIC Permit No.

JIC Section

SEPT 2 6 90

STATE OF WEST VIRGINIA E40 (0) (0) NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

			וט	SPARI	WILLIAI	or Livered 1, or	L AND GAS DI	VISION	
	;								Now Martinger
6) WELL TY 7) LOCATIO			on/ 718.07	Gas is	njection (not storage)Water	_/ Waste disposes shed: <u>Ohio</u>	u <u>X</u> River	View
•	Dist	rict: F	rankli	n	656	Coun	y: Marshall	Quadrang	e: Powhaten Point,
B) WELL OP	ERATOR	PPG	Indust	ries.	Inc.	39600	9) DESIGNA	TED AGENT K.	S. Walborn
Ac	idress		Box 1				A		191
			tinsvi		WV 26	155		New Marti	nsville, WV 2615
)) OIL & GA				-				***	
NameM	Rt.				C 71.00	1000 T. 1 A. 15		G CONTRACTOR:	1 C
Address						APPLE LANE	•		1 Service, Inc.
		W. V.		1.771		2554	Address	1297 N. Lewi _Glenville. V	
) PROPOSE	D WELL	WORK:	Drill		_/ Drill		/ Redrill		/
,		· Oldi		off old	_			Convery To	MUD DISPUSAL
			Other p	hysical	change i	n well (specify) Re	place casi	ng to 4390 ft.	
) GEOLOGI	CAL TAR	GET FO							et(top) to 6869 feet(bottom
) Estimated	depth of c	ompleted	well, (or a	ctual de	pth of ex	isting well) 6319	<u>f</u> t.		, ,
) Approxima						feet; salt,	feet		
) Approxima	ite coal sea	m depths:	240	ft -	245	ft., 1300 ft	: - 1305 ft	.	
Is coal beir	-								•
_	-	_		on		_psig. Source			
) Estimated i		•					psig (BHFP)		2900:
						Volume per hour:			sure 3800 psi
								ES: Injection	H ₂ 0, 1900 ppm NaC
) FILTERS			Donace			$Na0_2$, 5600			170; 1700 ppm Nao
			HODIC P	ROTEC	TION AN	OD OTHER CORRO	SION CONTROL	.:N/A	
		•							
) CASING A	ND TUB	ING PRO	GRAM	*Exi	sting	** P1	oposed		
CASING OR	I	SPE	CIFICATION	s, **		FOOTAGE I	NTERVALS	CEMENT FILLUP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
enductor									Kinds
sh water	11 3	4"	47#		Х		894'	300 sacks	
nai .									Sizes
termediate			ļ					<u> </u>	
oduction	8 5/8	3''	38#		X		6319'	500 sacks	Depths set
bing	7"	-	26#	X			4390'	4390'-1415'	
	1	 	 	+	 			 	Perforations:
ners		1	<u> </u>					 	Top Bottom
ners	 	1	1	1			1	ii .	
ners								-	
	NESCO	DATING.	DIGUES.		- in a d f	m_ Defense F	Plant Compos	ation	

ORM WW-3(B)	FILE COPY	ì
Reverse)		••

verse)										(7.7		
										KD7	-	olei).Ç
					CE USE (÷		1.0
		•	*.* · · · · ·	DRIL	LING PE	RMIT				वेश ठ	2	MES
Permit number	47-051-	0135-LI						October	25th.	1998it.	Se	رُبَّ وَرُو
									Date			
This permit covering quirements subject No. 8) Prior to the district oil and gas	to the condition construction of	ons contained of roads, loca	I herein and or tions and pits	n the reverse for any per	e hereof. No mitted work	tification mu . In addition	ast be giv	en to the Distric	t Oil and	Gas Inspec	or. (Refer to
The permitted work conditions specified		d in the Notic	e and Applica	tion, plat, a	ind (if requi	ed) construct	tion and	reclamation plai	ı, subject t	o any modi	ficati	ons and
Permit expires	10-	25-92		· ·	_uniess well	work is com	menced p	prior to that date	and prosec	cuted with o	due di	iligence.
Bond:	Agent:	Plat:	Lasing	_ Fee	1 .	• .•						
Joing.	The Cart		م بمسي			33.	- _					
			<u> </u>		J .	1///	lal	$\mathcal{L}(\mathcal{I})$ (1)	1		_	
🛥					VVC.	Directo	r. Oi	1 and Gas	Divici	on	.)	
NOTE: Keep one	copy of this p	ermit posted	at the drilling	location.	,		_,			Jon		
		•				ì						
	PERM	IT MODIFIC	CATIONS AN	ID CONDI	TIONS (IF	ANY) TO TH	IE PRO	POSED WELL	WORK			
		•										
	,											
		•										
				1								
				OFFI	CE USE (ONLY .						
This part of Form	IV-3(b) is to r	ecord the dat	tes of certain o	occurrences	and any fol	low-up inspe	ctions.					
	-		Date	-						Date(s)	
Application receive	ed .					Follo	w-up in:	spection(s)				
Well work started							••	••				
Total depth reaches	d						••	••				
Well Record receive	ed						••					
Reclamation compl	leted					-	44	••				
OTHER INSPECT	TIONS											
Reason:												

bverse Cil and Gas 2) SPT 2 6 90 3)	Date September 21, 1990
2) 31) 31) 31) 31)	
SEPI Z 0 90 3) 4)	Operator's Well No. 2
JIC Section 4)	SIC Code 2812
Sic Section,	API Well No. 47 - 051 - 0135
STATE OF WEST VIRGINIA	State County Permit
	·
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL	L WORK PERMIT APPLICATION
DIVISION OF OIL AND GAS, DEPARTMENT	T OF ENERGY
	PERATOR
(i) Name PPG Industries, Inc.	
Address P. O. Box 191 7 (ii) COAL OW	NER(S) WITH DECLARATION ON RECORD:
	PPG Industries, Inc.
	P. O. Box 191
Address	New Martinsville, WV 26155
	SSEE WITH DECLARATION ON RECORD:
(iii) Name Name Address Address	
Nucl ess	
O THE PERSON(S) NAMED ABOVE: You should have received this	
(1) The Application for a Liquid Injection or Waste Disp WW-3(B), which sets out the parties involved in the (2) The plat (surveyor's map) showing the well location (3) The Construction and Reclamation Plan on Form WW-9 (to plug a well), which sets out the plan for erosion reclamation for the site and access road. The date proposed for the first injection or waste disposed HE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHT HICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO THE TOWN THE WEST VIRGINIA CODE, roposes to file or has filed this Notice and Application and the Energy, with respect to a well at the location described of the Energy, with respect to a well at the location described of the person (s) named above (or by publication and the person (s) named above (or by publication and the person (s) named above (or by publication and the contraction and the person (s) named above (or by publication the contraction and the contraction and the person (s) named above (or by publication the contraction and the contraction and the contraction the person (s) named above (or by publication the contraction and the contraction the contraction that the person (s) named above (or by publication the contraction that the contraction the person (s) named above (or by publication the contraction that the contractio	drilling or other work, and on Form WW-6; and (unless the well work is only and sediment control and for sal is October 15, 1990. TTS REGARDING THE APPLICATION DE OF THE COPY OF THE APPLICATION JIRED TO TAKE ANY ACTION AT ALL. The undersigned well operator is accompanying documents for a companying documents for a companying documents for a companying document on the attached Application and Application, the plat, and the cored or certified mail or deliv-
efore the day of mailing or delivery to the Director.	
he person signing this document shall make the	
ollowing certification:	Industries, Inc. Well Operator

submitting false information, including the

possibility of fine and imprisonment.