

AUG 1 4 1975



CONFIDENTIAL

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL, RECORD

Quadrangle Little Hocking, Ohio-W. Va.

- 1975

Permit No. <u>WOO-7</u>07

Rotary_X	Oil
Cable	Gas_X
Recycling	Comb.
Vater Flood	Storage
Disposal	(Kind)

Company E.I. DuPont DeNemours & Co. Address P.O. Box 1217, Parkersburg, W.Va. Farm Washington Works Acres 600+	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Ohio River Well No. 4 Elev. 608.09 District Lubeck County Wood	Size 20-16 Cond.			Circulated to
The surface of tract is owned in fee by	13-10" 11 3/4	112'	112'	surface (75 sx)
E.I.DuPont DeNemours & Co.	9 5/8			Circulated to
Address Parkersburg, W. Va.	8 5/8	1975'	1975'	surface (540 sx)
Mineral rights are owned by Same	7			
Address	5 1/2	4075'	4075'	136' (22 sx)
Drilling Commenced 8/7/75	4 1/2			
Drilling Completed 8/15/75	3			į
Initial open flow cu. ft bbls.	2		d to page 1980 to	The state of the s
Final production cu. ft. bbls. Final production cu. ft. per day xx bbls. Well opentest 9/5/75 hrs. before test 1651 RP.	Liners Used			
Well opentest 975775 hrs. before test 1651 RP.				
Well treatment details: Halliburton Frac w/1035 bbls. water	Attach copy of c 28,000# 20	ementing reco -40 sand,	rd. 500 ga.	l acid

Coal was encountered at ______ Feet _____ Inches

Fresh water _____ Feet ____ Salt Water ____ Feet _____

Producing Sand _____ Open hole Depth ______ Depth _____ 4079-99 ______

Formation Color Hard or Soft Top Feet Bottom Feet Oil, Gas or Water * Remarks

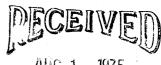
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Gravel	0	72	*All Log Depths
Sand	72	110	
Shale	110	124	
Sand	124	144	
Shale	144	153	
Sand	153	193	1079
Shale	193	210	3986
Sand & shale	210	810	3986 4079 608 3378 3471
Sand	810	849	600
Shale	849	928	3378
Sand	928	997	
Sand & shale	997	1310	
Sand	1310	1446	
Shale	1446	1894	
Berea Sand	1894	1896	, , , , , , , , , , , , , , , , , , ,
Shale	1896	3882	
Shale - marcellus	3882	3986	
Corniferous-Lime	3986	4079	
Oriskany	4079	4099	
Lime - Helderberg	4099	4113	Total Depth 4113
~			- -

(over)

^{*} Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA **DEPARTMENT OF MINES**



AUG 1 1975

OIL & GAS DIVISION DEFT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.			
	DA	ATE July 29, 1975	
Surface Owner E.I. DuPont DeNe	emours & Co. Co	mnany E.I.DuPont Del	Nemours & Co. Inc.
Address P. O. Box 1217, Park	<u>kersburg,W.</u> Va _{Ad}	dress P.O. Box 1217.	Parkershurg W W
Mineral Owner Same			$\frac{\text{CS}}{\text{Acres}} \sim 600$
Address		cation (waters) Ohio Ri	
Coal Owner None		ll No. 4	
Address	Dis	trict_Lubeck	Elevation 000.09
Coal Operator None	Ou.	adrangle Little Hockin	CountyWOOd
Address THIS PERMIT MUST BE POSTED AT THE WELL	L SITE		
All provisions being in accordance with Chapter of the W. Va. Code, the location is hereby apprifor	roved		
for drelling. This permit shall expoperations have not commenced by 12-1-7	oire if		
A TOTAL TOTA			
Deputy Director - Oil & Gas Division	TNSPECTOR	TO BE NOTIFIED Says	March 17
GENTLEMEN:	рн: #77-	455 ADDRESS And	hvile, 10Va.
The undersigned well operator is entitled	to drill upon the above	named form on treat of land of	
title thereto, KIKMANDENOMENMANNAEN NOMEN	NAMES AND THE STANKS	anuary 24	or oil and gas, having fee
R. C. Umbargermade to F. I.	DuPont	and recorded 41 24+	by
19 57, in Wood County, B	ook 406 Pa	ge 484	day of January
X NEW WELLDRILI			
OIL AND GAS WELL ORIGIN.	ALLY DRILLED BEFO	RE JUNE 5, 1969.	URE OR STIMULATE
The enclosed plat was prepared by a regis have been notified as of the above date.	ALLY DRILLED BEFO	RE JUNE 5, 1969.	
The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or open	ALLY DRILLED BEFO	RE JUNE 5, 1969. ed land surveyor and all coal	owners and/or operators
The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be r Copies of this notice and the enclosed plat or coal owners at their above shown respecti	ALLY DRILLED BEFO stered engineer or licens rator are hereby notified received by, or filed with were mailed by register-	RE JUNE 5, 1969. ed land surveyor and all coal that any objection they wish to the Department of Mines with ed mail, or delivered to the abo	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators
The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recopies of this notice and the enclosed plat.	ALLY DRILLED BEFO stered engineer or licens rator are hereby notified received by, or filed with were mailed by register ive address copy to the Department	RE JUNE 5, 1969. ed land surveyor and all coal that any objection they wish to the Department of Mines with ed mail, or delivered to the about of Mines at Charleston, West ally yours,	owners and/or operators to make, or are required hin ten (10) days. * eve named coal operators
The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be represented to coal owners at their above shown respective same day with the mailing or delivery of this please.	stered engineer or licens rator are hereby notified received by, or filed with were mailed by register ive address copy to the Department Very tru (Sign No.	ed land surveyor and all coal that any objection they wish to the Department of Mines with the ded mail, or delivered to the about of Mines at Charleston, West ally yours, Thomas Well Operator	owners and/or operators to make, or are required hin ten (10) days. * eve named coal operators
The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be represented to coal owners at their above shown respections ame day with the mailing or delivery of this please Submit copies of ALL GEOPHYSICAL LOGS DIRECTLY TO: West Virginia Geological and Econ P. O. Box 879 Morgantown, W. Va. 26505	stered engineer or licens rator are hereby notified received by, or filed with were mailed by register ive address copy to the Department Very tru (Sign No.	that any objection they wish to the Department of Mines with the Department of Mines at Charleston, West the Department of Mines at Charleston, West the Department of Meli Operator P. O. Box 1217	owners and/or operators to make, or are required hin ten (10) days. * ove named coal operators
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*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

> Woo - 707 PERMIT NUMBER 47-107

BOND DRILL

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

 W_{\bullet}

PROPOSED WORK ORDER TO	X) DRILL	DEEPEN	FRACTURE-STIMULATE	
	LING CONTRACTOR: (If Known) RESPONSIBLE AGEN			
NAME Unknown		NAME_ Ralph E. Sieber		
ADDRESS			ox 1217, Parkersburg,	
TELEPHONE)863-5311	
ESTIMATED DEPTH OF COMPI			CABLE TOOLS	
PROPOSED GEOLOGICAL FORM				
	-	COMP STOP A	GEDISPOSAL	
•			LOODOTHER	
CASING AND TUBING SIZE 20 - 16 13 - 10 9 - 5/8	USED FOR DRILLING	100 t	CEMENT FILL UP OR SACKS - CUBIC FT. To surface	
8 - 5/8	1950'	1950'	To surface	
7	A			
5 ½ 4 ½	4100'	4100'	500' Fill up	
3			Perf. Top	
2			Perf. Bottom	
Liners			Perf. Top	
			Perf. Bottom	
OF PLAT. TO DRILL DEEPER OR REDRIL SUBMIT FIVE (5) COPIES (WELLS DRILLED PRIOR T MUST ALSO BE SUBMITTE TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUI	L: DF OG - 1, SHOWING ORIG D 1929, A PERMANENT C D. RIGINALLY DRILLED BEFO AND ORIGINAL WELL REC RIGINALLY DRILLED ON A MBER, AND PERFORMANCE	INAL PERMIT NUMBER A OPY OF THE PLAT AND RE JUNE 5, 1929, FIVE (5 CORD. ND/OR AFTER JUNE 5, 19 BOND.	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD O COPIES OG - 1, PERFORMANCE 929, FIVE COPIES OG - 1, SHOW- O. Inspector to be notified twenty-	
The following waiver must b	e completed by the coal one	erator if the permit is to be	e issued within ten days of receipt	
thereof.				
	d and place on our mine m		er or Operator of the coal under	
We theproviding operator has code.	Coal Company omplied with all rules and regularity	have no objections to said ulations in Articles 4, 5, and	well being drilled at this location, 17, Chapter 22 of the West Virginia	
			For Coal Company	
			Official Title	
	€ - 1			

-38 - Environmental Protection -Aug-95

STATE OF WEST VIRGINIA FEB 25 1936 DIVISION OF ENVIRONMENTAL PROTECTION OF OIL AND GAS SECTION OF OIL AND GAS

Permitting Office of Oil & Gas AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name:	DUPONT, E.I	•	Opera	tor Well	No.:4-G-1	
LOCATION:	Dietriet	608.09 Qu LUBECK 8375 Feet S 4140 Feet W		County:	WOOD	Sec. Sec.
Well Type:	oir	GAS x				
Par	kersburg, WV		or	Owner	or	
				Owner		
Permit Issu	ed: 08/24/9	5				
	a		FIDAVIT			
STATE OF WE County of Li						
in the wor the above and fillin Gas Inspec commenced the well w	sworn acco k of pluggi named well g the above tor repre on the as plugged	ng and filling operator, a well, and senting the 7th damand filled FROM	ng oil and part: Glen Robin Directo ay of S in the	nd gas we icipated ison or, say September followin	hat they ar lls and wer in the work that sai , 19 <u>95,</u> g manner: PE REMOVED	being e experienced e employed by of plugging Oil and d work was and that LEFT
Left 8-5/8		• · · · · · · · · · · · · · · · · · · ·	<u> 1975'</u>	cëme	nted to surfa	oe 1975'
Comont	lled 5垓" /4" in well		2450' 1731' 1831' 1629' 112' surface		nted to surfa	``\\
Descri and th the 29th	option of monat the world ay of Ser	onument: <u>Ere</u> k of pluggi otember	ng and f , 19 <u>95</u> .	nt with API illing sa	No. 47-107-0 id well was	707P s completed on
And furthu	deponents	saith not. 5) cul.	Versons	
Sworn and s My commiss	subscrike sion expire	Me No Tare STATE OF HE JOSEPH P. O. B HAMLIN, 1	EST VIRGINIA DETTEY OX 498 AV 25523 pires April 13, 2004	day of C	Novary Pul	19 <u>95</u>

Environmental Protection -38 -Aug-95

STATE OF WEST VIRGINIA FEB 25 1996 DIVISION OF ENVIRONMENTAL PROTECTION SECTION OF OIL AND GAS

Permitting Office of Oil & Gas

Farm name: DUPONT, E.I.

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Operator Well No.:4-G-1

LOCATION:	District:	LUBECK 8375 Feet S	C South of 39	ITTLE HOCKING ounty: WOOD Deg. 17 Min. 30 Deg. 40 Min. 0) Sec. Sec.
Well Type:	OIL	GAS x			
_ Par	I. Dupont Box 1217 kersburg, WV	26102	Coal O or Own	peratorer	
			Coal C or Own	peratorer	
Permit Issu	ea: 00/24/9	5			
STATE OF WE		,	FTIDAVIT		
in the wor	k of pluggi	ng and filli	ng oil and g	say that they a gas wells and we cated in the wor say that sa ember , 19 95, llowing manner:	re emproyed by
Gel Hole Cement Cement	3" in well	surface 3098' 2943' 2550'	3098' 2998' 2843' 1975' 2450' 1731' 1831'	cemented to surf	ace 1975'
Cement	/4" in well	100'	1629' 112' surface	cemented to surf	
and th	ption of monat the world day of Ser	k of pluggi	ng and fill, 1995 .	ith API No. 47-107- ing said well wa	is completed on
And furthu	deponents	saith not.		Call Persons	
Sworn and a	ion expres	P.O. B HAMLIN,	EST VIRGINIA D. PETTEY SIOX 498 WV 25523 xpires April 13, 2004	of October Sasy (Novary Pu	lley iblid