

7.5 min OGIS loc 60
 38° 15' .495
 81° 32' 30" .74w

15 min
 .495
 .74w

E. I. DUPONT
 TRACT #1
 42.42 ACRES

KANAWHA RIVER

CERTIFICATE

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

11/16/81

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum degree of accuracy is one part in 100

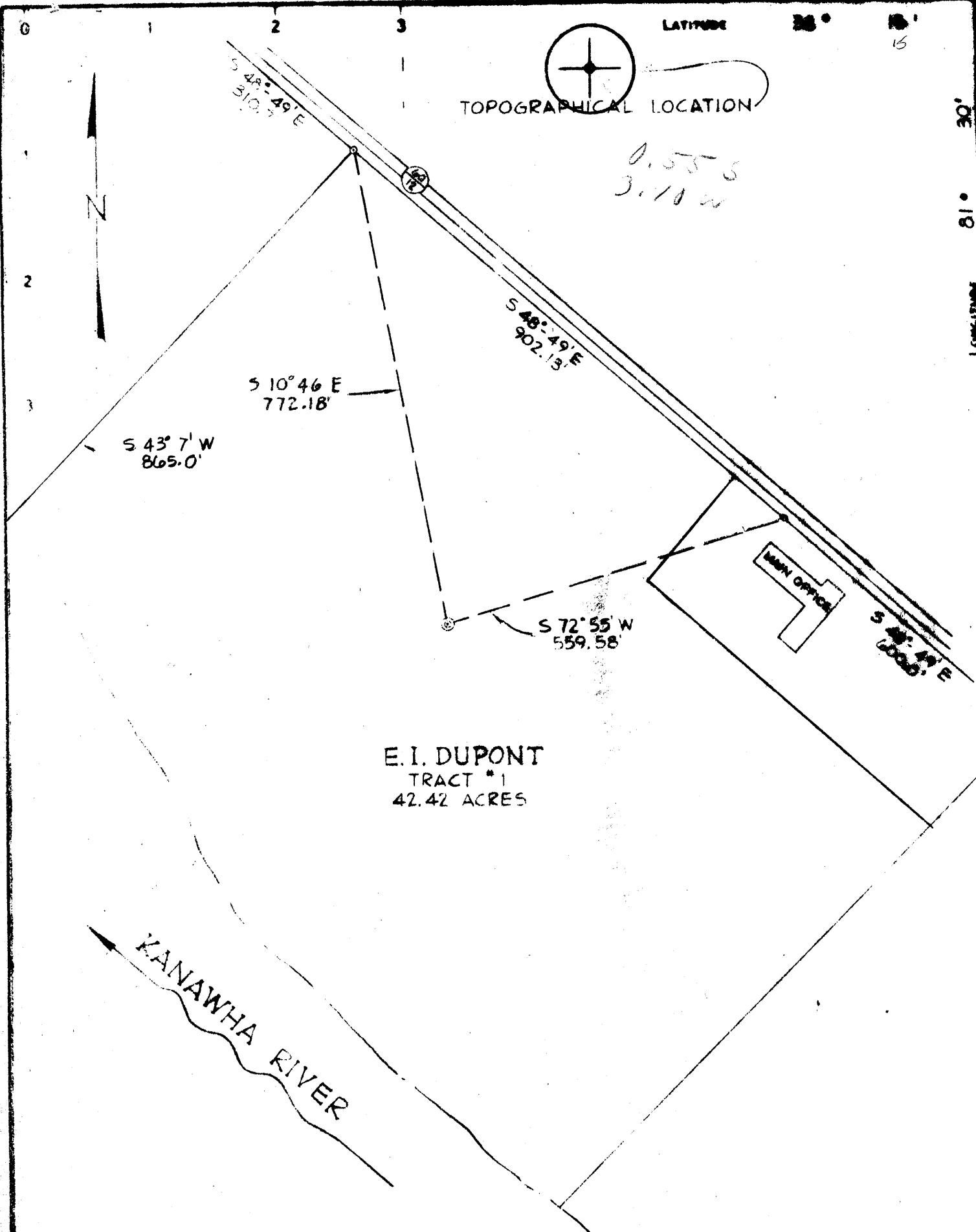
*E.I. DUPONT MAP #2312, SH. 1 #2

Signed L B Mc Quaid WV 2795

COMPANY	E. I. DUPONT DE NEMOURS & CO. INC.		
ADDRESS	901 W. DUPONT AVE. BELLE, W. VA. 25015		
FARM	INDUSTRIAL SITE		
MAP	* ACRES	539	LEASE NO
WELL (FARM) NO.	2	SERIAL NO	
ELEVATION (SPIRIT LEVEL)	602.5'		
QUADRANGLE	PEYTONA		
COUNTY	KANAWHA DISTRICT Malden		
POINT OF PROVEN ELEVATION	U.S.G.S. BENCH MARK 11JJ = 611.00'		
FILE NO	DRAWING NO		
DATE	2-1-72 SCALE 1" = 200'		

STATE OF WEST VIRGINIA	
DEPARTMENT OF MINES	
OIL AND GAS DIVISION	
CHARLESTON	
WELL LOCATION MAP	
FILE NO KAN-2571-P	
+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN * DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING	

DEEPWELL



E.I. DUPONT
TRACT #1
42.42 ACRES

KANAWHA RIVER

CERTIFICATE

I the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Minimum degree of accuracy is one part in 100

*E.I. DUPONT MAP # 2312, SH. 1/2

Signed L. S. Mc [Signature] WV 2395

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY E.I. DUPONT DE NEMOURS & CO. INC.
 ADDRESS 96 W. DUPONT AVE. BELLE, W. VA. 25015
 FARM INDUSTRIAL SITE
 MAP # * ACRES 539 LEASE NO. _____
 WELL (FARM) NO. 2 SERIAL NO. _____
 ELEVATION (SPIGOT LEVEL) 602.5'
 QUADRANGLE PEYTONA NE
 COUNTY KANAWHA DISTRICT Malden
 POINT OF PROVEN ELEVATION U.S.G.S. BENCH MARK 111J = 611.00'
 FILE NO. _____ DRAWING NO. _____
 DATE 2-1-72 SCALE 1" = 200'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. KAN-2571

↑ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY DOTTED LINES AS SHOWN.
 * DENOTES ONE (1) INCH SPACES ON CURVED LINE OF CONTOUR.

9-0 Malden-Campbell Creek (214) MAY 30 1976 Deep well



Water Resources
Permit Number (3326)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Rotary
Spudder
Cable Tools
Storage

C. NOLL
Well WASTE DISPOSAL

Quadrangle PEYTONA 2.5

WELL RECORD 3

Permit No. KAN-2571

Company E. I. DU PONT DE NEMOURS AND COMPANY
Address 901 W. DU PONT AVENUE, BELLE, W. VA. 25015
Farm (INDUSTRIAL SITE) Acres 539
Location (waters) KANAWHA RIVER
Well No. 2 Elev. 602.5
District MALDEN County KANAWHA
The surface of tract is owned in fee by E. I. DU PONT DE NEMOURS & CO. Address BELLE, W. VA.
Mineral rights are owned by E. I. DU PONT DE NEMOURS AND CO. Address BELLE, W. VA.
Drilling commenced NOVEMBER 20, 1967
Drilling completed FEBRUARY 8, 1968
Date Shot MARCH 1971 From 3750' To 5211'
With PERFORATION GUN

Casing	Used in Drilling	Left in Well	Packers
Size 20"		57'	Kind of Packer... None
13-3/8		1004'	Size of
9-5/8		4368'	Depth set
5-1/2		5333'	Perf. top
6 3/4			Perf. bottom
5 3/16			Perf. top
4 1/2			Perf. bottom
3			
2			
Liners Used			

Open Flow NONE /10ths Water in. Inch
Volume NONE /10ths Merc. in. Inch
Rock Pressure 2,367 lbs. 19 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) FROM 4365' TO 5100' WITH 15% HCl, MOD 202, and Mud Acid
WELL FRACTURED (DETAILS) FROM 4365' to 4442' WITH WATER, SAND, AND UCAR PROPS, NITROGEN FLUSHED; FROM 4550' TO 5050' WITH WATER AND SAND; FROM 4100' TO 5102' WITH WATER.

Attach copy of cementing record. See Attachment.
CASING CEMENTED. SIZE No. Ft. Date
Amount of cement used (bags) SEE ATTACHMENT
Name of Service Co. Dowell, Halliburton
COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) None
ROCK PRESSURE AFTER TREATMENT None HOURS
Fresh Water No Feet
Producing Sand None Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
All logs for this well measured from ground level, 602.5'							
Sand and Shale	Gray	Soft	0	281	None		
Sand and Lime-Stone		Hard	281	300			
Sand and Shale		Hard	300	420			
Sand and Lime-Stone		Hard	420	607			
Sand and Shale		Hard	607	870			
Shale	Red & Gray	Hard	870	895			
Sand and Shale		Hard	895	973			
Sandy Shale & Limestone		Hard	973	980			
Sand and Shale		Hard	980	1050			
Shale and Limestone		Hard	1050	1103			
Limestone		Hard	1103	1173			
Injun Sand		Hard	1173	1187			
Shale		Hard	1187	1225			
Shale	Red	Hard	1225	1230			
Sandy Shale		Hard	1230	2894			
Sand and Lime-stone		Hard	2894	2911			

RECEIVED
MAY 11 1972
OIL & GAS DIVISION
DEPT. OF MINES

(over)

AUG 10 1972

KAN-2571

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sandy Shale		Hard	2911	3232			
Shale & Limestone		"	3232	3290			
Shale		"	3290	3375			
Shale & Limestone		"	3375	3430			
Sandy Shale		"	3430	3781			
Shale & Limestone		"	3781	4360			
Poriferous Limestone		"	4360	4399			
Poriferous Lime & Shale		"	4399	4423			
Limestone		"	4423	4506			
Limestone & Oriskany		"	4506	4513			
Oriskany		"	4513	4570			
Limestone		"	4570	4608			
Limestone & Shale		"	4608	5060	H ₂ S	5030-5134	
Limestone		"	5060	5142			
Limestone & Sand - Williamsport		"	5142	5187	Brine		
Limestone		"	5187	5205			
Limestone & Shale		"	5205	5279			
Limestone & Sand McKenzie Ss. Membr.		"	5279	5290			
Limestone, Shale & Sand		"	5290	5310			
Limestone & Shale		"	5310	5393			
Limestone		"	5393	5400			
Shale	Red	"	5400	5406			
Rose Hill							

RECEIVED
MAY 11 1972

OIL & GAS DIVISION
DEPT. OF MINES

WELL WAS DRILLED WITHOUT A PERMIT NUMBER FROM
DEPARTMENT OF MINES (OIL & GAS)
(Assigned Permit Number - 5-12-72)

Date _____, 19__

APPROVED E. I. DU PONT DE NEMOURS AND CO., Owner

By [Signature]
(Title)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

DEC 31 1981

AFFIDAVIT OF PLUGGING AND FILLING WELL OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT, 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.

E. I. du PONT de NEMOURS & CO.
COAL OPERATOR OR OWNER
901 W. DU PONT AVENUE
ADDRESS
BELLE, WV
COAL OPERATOR OR OWNER
E. I. du PONT de NEMOURS & CO.
LEASE OR PROPERTY OWNER
901 W. DU PONT AVENUE
ADDRESS
BELLE, WV

E. I. du PONT de NEMOURS & CO.
NAME OF WELL OPERATOR
901 W. DU PONT AVENUE
COMPLETE ADDRESS
BELLE, W. VA. 19
WELL AND LOCATION
MALDEN District
KANAWHA County
Well No. NO. 2 (KAN - 2571)
DU PONT-PLANT Farm

STATE INSPECTOR SUPERVISING PLUGGING NONE

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of KANAWHA } ss:
RICK SMITH

and CHARLES R. SHERMAN

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by HALLIBURTON CO. & DU PONT, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 22 day of NOVEMBER, 19 81, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION		SIZE & KIND		
MARCELLUS SHALE	50 BBls Pozmix 14.5 lb/gal cement 48 BBls Class A 15.5 lb/gal cement			
	Casing & Tubing filled from 4305 ft. to surface with cement by circulating down annulus and up tubing.			1004 ft. of 13 3/8"
				4368 ft. of 9 5/8"
				5333 ft. of 5 1/2"
				3800 ft. of 2 7/8"
COAL SEAMS				
(NAME)	THE ABOVE WELL DATA WAS FURNISHED BY CUSTOMER.		DESCRIPTION OF MONUMENT	
(NAME)				
(NAME)	SIGNED <u>Richard K. Smith</u> <u>Field Engineer</u> <u>Halliburton Services</u>			
(NAME)				

and that the work of plugging and filling said well was completed on the 22 day of NOVEMBER, 19 81.

And further deponents saith not.

Charles R Sherman

Sworn to and subscribed before me this 28th day of December, 19 81

My commission expires:
April 24, 1985

[Signature]
Notary Public.

Permit No. _____

47-039-2571-P