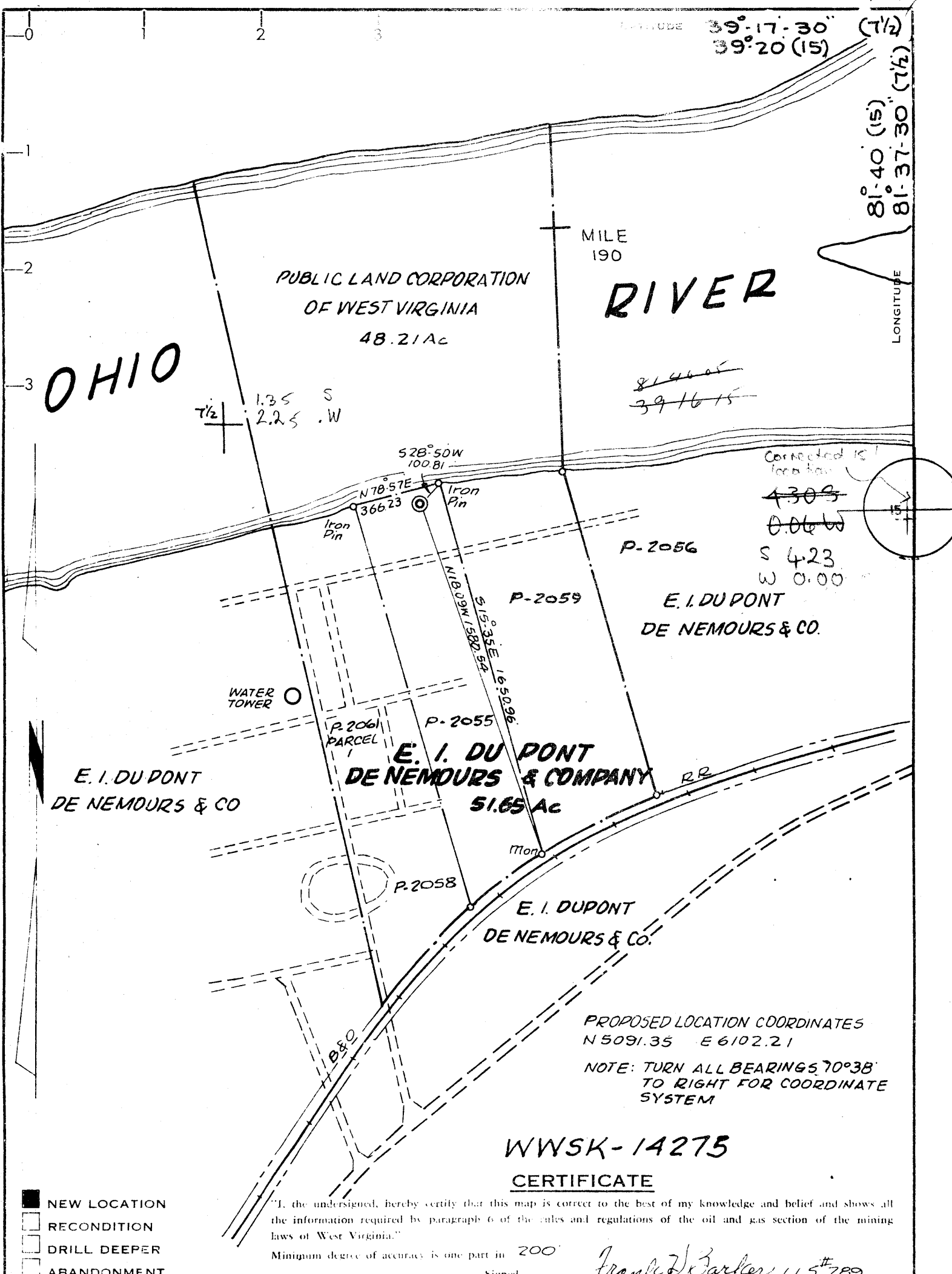


4/22/78



OHIO

1.35 S
2.25 W

MILE 190

PUBLIC LAND CORPORATION OF WEST VIRGINIA
48.21 AC

RIVER

39°-17'-30" (T/2)
39°-20' (15)
81°-40' (15)
81°-37'-30" (T/2)

LONGITUDE

814405
391615

Connected to
Location

~~4309~~
0.066
S 4.23
W 0.00

P-2056

E. I. DU PONT DE NEMOURS & CO.

P-2059

P-2061 PARCEL

P-2055

E. I. DU PONT DE NEMOURS & COMPANY
51.65 AC

E. I. DU PONT DE NEMOURS & CO

E. I. DUPONT DE NEMOURS & CO.

PROPOSED LOCATION COORDINATES
N 5091.35 E 6102.21

NOTE: TURN ALL BEARINGS 70°38' TO RIGHT FOR COORDINATE SYSTEM

WWSK-14275

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 200

Signed

Frank J. Barber LL5 #289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

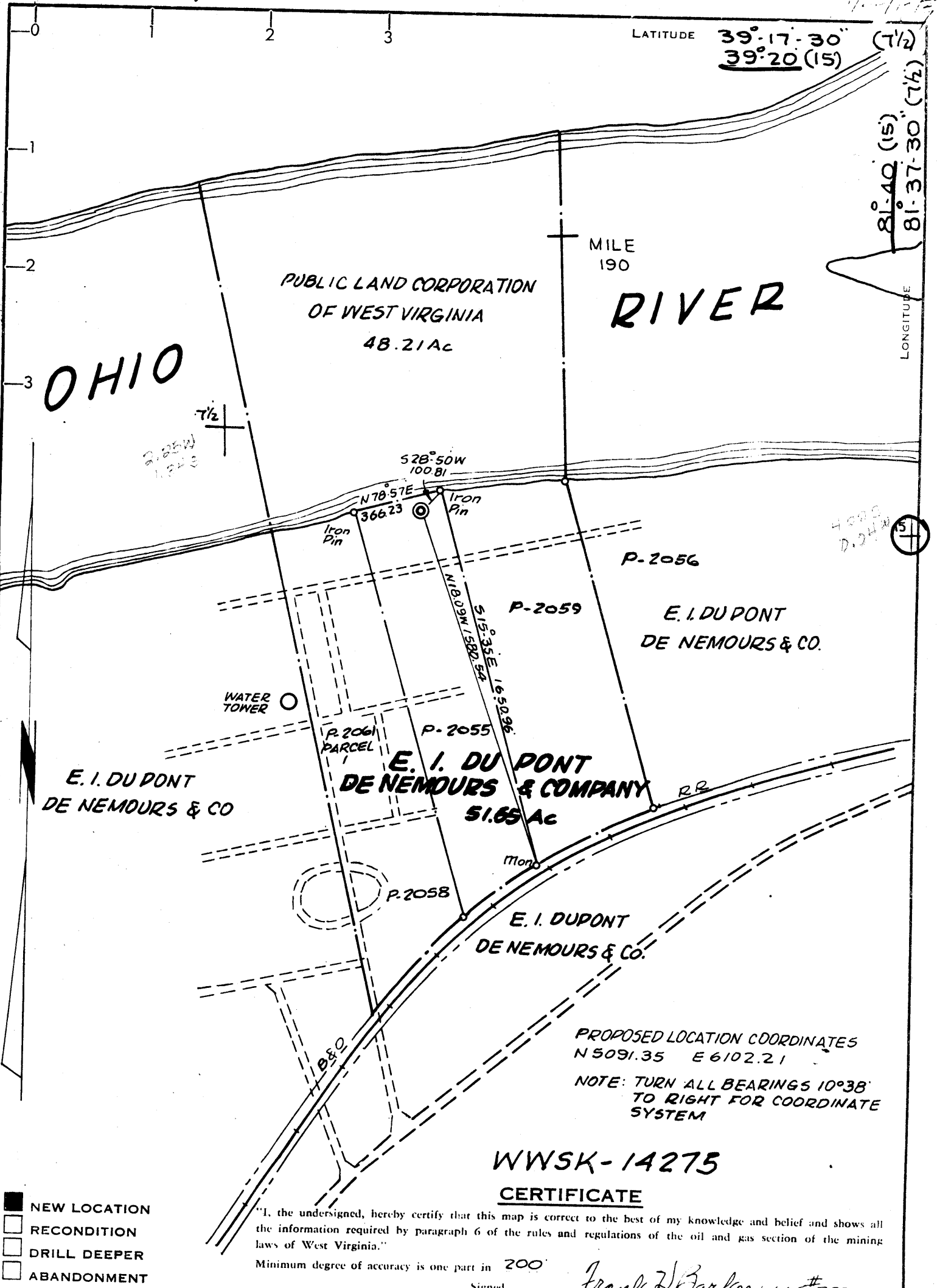
COMPANY E. I. DU PONT DE NEMOURS & COMPANY, INC.
ADDRESS P.O. BOX 1217 PARKERSBURG, W. VA
FARM E. I. DU PONT DE NEMOURS & COMPANY
MAP ACRES 51.65 of 99.86 Unit LEASE NO
WELL (FARM) NO. 6 SERIAL NO
ELEVATION (SPIRIT LEVEL) 599.29 SW
QUADRANGLE LITTLE HOCKING 7 1/2° PARKERSBURG
COUNTY WOOD DISTRICT LUBECK
POINT OF PROVEN ELEVATION E. I. DUPONT CONTROL

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. 47-107-0882
FORMERLY Woo 853

FILE NO. DRAWING NO.
DATE MAY 5, 1978 SCALE 1" = 500'

+ 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
MAY 3 1979
- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

4200' Deep Well 6-6 Washington Bottoms (357)



WWSK-14275
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 200
Signed _____

Frank J. Barber LL5 #289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY **E. I. DU PONT DE NEMOURS & COMPANY, INC.**
 ADDRESS **P.O. BOX 1217 PARKERSBURG, W. VA**
 FARM **E. I. DU PONT DE NEMOURS & COMPANY**
 MAP ACRES **51.65 OF 99.86 Unit** LEASE NO. _____
 WELL (FARM) NO. **6** SERIAL NO. **SW**
 ELEVATION (SPIRIT LEVEL) **599.29**
 QUADRANGLE **LITTLE HOCKING 7 1/2° PARKERSBURG**
 COUNTY **WOOD** DISTRICT **LUBECK**
 POINT OF PROVEN ELEVATION **E. I. DU PONT CONTROL**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 was: **W00 - 853** SEP 11 1978
 FILE NO. **now: W00 - 882**
 + 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. **47-107**
 DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

FILE NO. _____ DRAWING NO. _____
 DATE **MAY 5, 1978** SCALE **1" = 500'**



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

MAR 17 1980

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES
Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Little Hocking 7 1/2

Permit No. 47-107-0882

Company E. I. DuPont de Nemours & Co.
Address P. O. Box 1217, Parkersburg, WV
Farm E. I. DuPont Acres 99.86
Location (waters) Ohio River
Well No. 6 (G-15) Elev. 599.29
District Lubeck County Wood
The surface of tract is owned in fee by _____
E. I. DuPont
Address see above
Mineral rights are owned by E. I. DuPont
Address see above
Drilling Commenced July 18, 1979
Drilling Completed July 28, 1979
Initial open flow 100 m cu. ft. -- bbls.
Final production 100 m cu. ft. per day -- bbls.
Well open 4 hrs. before test 1600# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 2 1/2 11 3/4	90	90	to surface 110 sx
9 5/8			
8 5/8	2196	2196	to surface 550 sx
7			
5 1/2	4091	4091	to 3920 20 sx
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Four drill collars left in hole. Well not fractured.

100 MCF

Coal was encountered at None Feet _____ Inches _____
Fresh water 20' Feet _____ Salt Water 1314 Feet _____
Producing Sand Oriskany Depth 4115-17

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & gravel			0	72		All depths from KB elevation - 611.29
shale			72	230		
Sand			230	300		
shale-sand stringers			300	690		
sand			690	748		
shale			748	950		
sand			950	1058		
shale			1058	1200		
sand			1200	1240		
shale			1240	1284		
sand			1284	1450		
silt, shale			1450	1800		
sand			1800	1802		
silt-shale			1802	4017		
Limestone			4017	4115		
sand			4115	4117		
					Total depth	



RECEIVED

RECEIVED

AUG 2 1978

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES DIVISION

DEPT. OF MINES

AUG 16 1978

Oil and Gas Division

W. VA. OIL & GAS CONSERVATION COMMISSION

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE

Surface Owner E.I. du Pont de Nemours & Co

Company E.I. du Pont de Nemours & Co., Inc.

Address P.O. Box 1217, Parkersburg, WV 26101

Address P.O. Box 1217, Parkersburg, WV 26101

Mineral Owner Same

Farm Washington Works 51.65 (600)

Address

Location (waters) Ohio River

Coal Owner None

Well No. 6 Elevation 599.29'

Address

District Lubeck County Wood

Coal Operator None

Quadrangle Little Hocking (Ohio-WV)

Address

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-23-78

INSPECTOR

TO BE NOTIFIED Paul Goodnight

ADDRESS

Smithville, W. Va.

PHONE

477-3660

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated _____ 19____ by _____ made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE

OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Very truly yours,

(Sign Name)

Ralph E. Sieber

Well Operator Ralph E. Sieber

W. VA. OIL & GAS CONSERVATION COMMISSION
613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
Well Operator

P. O. Box 1217

Street

Parkersburg,

City or Town

West Virginia 26101

State

*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.

BLANKET BOND

was:

WOO-853

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

47-107

now: WOOD-882

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Unknown _____ NAME Ralph E. Sieber _____
 ADDRESS _____ ADDRESS P.O. Box 1217, Parkersburg, WV _____
 TELEPHONE _____ TELEPHONE (304) 863-2000 _____ 26101
 ESTIMATED DEPTH OF COMPLETED WELL: 4500 _____ ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany _____
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	150'	150'	100 Sx
9 - 5/8			
8 - 5/8	2100'	2000'	500 Sx
7			
5 1/2	4500'	4100'	300' Fill Up
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title



RECEIVED

APR 18 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE April 10, 1979

Surface Owner E.I. du Pont de Nemours & Co., Inc. Company E.I. du Pont de Nemours & Co., Inc.
 Address P.O. Box 1217 Parkersburg WV 26101 Address P.O. Box 1217, Parkersburg, WV 26101
 Mineral Owner Same Farm Washington Works Acres 51.65
 Address _____ Location (waters) Ohio River
 Coal Owner None Well No. 6 Elevation 599.29'
 Address _____ District Lubeck County Wood
 Coal Operator None Quadrangle Little Hocking (Ohio - WV)
 Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved

for drilling. This permit shall expire if operations have not commenced by 12-19-79

INSPECTOR
TO BE NOTIFIED
Mr. Paul Goodnight
Smithville, WV 26178
Ph: 477-3660
ADDRESS _____
PHONE _____

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated November 12, 1945 by Orville A. Kyle & Wife made to E.I. du Pont de Nemours & Co. and recorded on the 12th day of November 1945, in Wood County, Book 274 Page 148

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours,
(Sign Name) Ralph E. Sieber
Well Operator Ralph E. Sieber
P.O. Box 1217
Street
Parkersburg
City or Town
West Virginia 26101
State

*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.

REPLENISH BOND

47-107-0882 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements.

Signed by Ralph E. Sieber

(Jormurey Wao-853)

