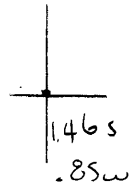


39°47'30"

Latitude

80°50'00"

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company PPG

Farm Rtts P+G Tract # 36

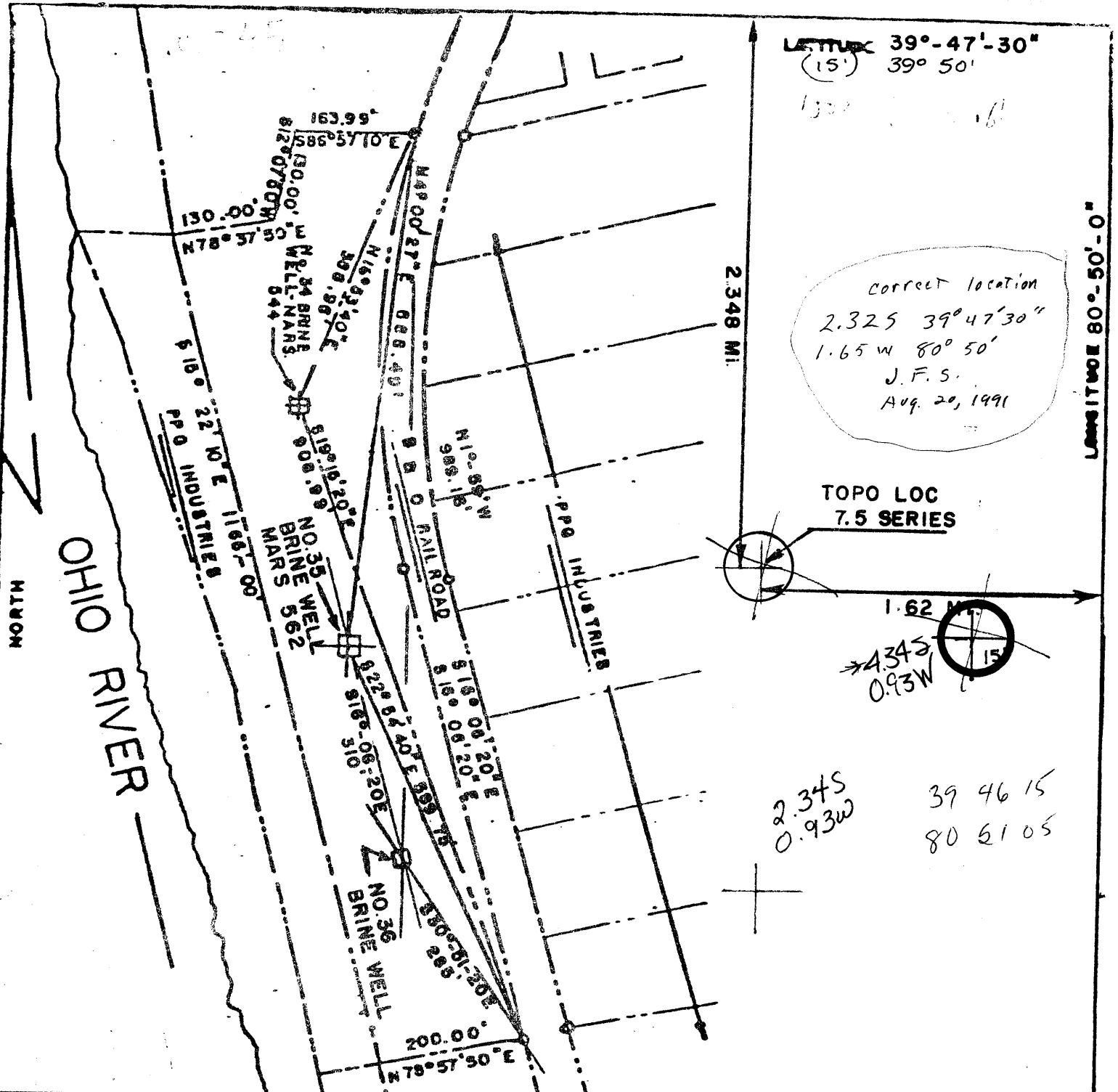
15' Quad _____
(sec.)

7.5' Quad Pewhatan Point

District Franklin

WELL LOCATION PLAT

County OSI **Permit** 674



Latitude 39°-47'-30" (15') 39° 50'

Correct location
2.325 39°47'30"
1.65 W 80°50"
J.F.S.
Aug. 20, 1991

TOPO LOC
7.5 SERIES

1.62
A345
0.93W

2.345
0.93W

39 46 15
80 51 05

FILE NO. _____
DRAWING NO. SK-41876-G
SCALE 1" = 200'
MINIMUM DEGREE OF ACCURACY 1-4000'
PROVEN SOURCE OF ELEVATION USGS BM 1903+4.04'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) W.F. Nelson, P.E.
R.P.E. _____ L.L.S. _____

W.V.P.E.
#2457
PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE _____, 19 80
OPERATOR'S WELL NO. 136
API WELL NO. 47-051-0674
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Deep well

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ BRINE ✓
(IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___)

LOCATION: ELEVATION 639 WATER SHED OHIO RIVER
DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE POWHATAN POINT OHIO-W.VA CLARINGTON 15' 50'
SURFACE OWNER PPG INDUSTRIES ACREAGE 6.4

OIL & GAS ROYALTY OWNER PPG INDUSTRIES LEASE ACREAGE _____
LEASE NO. _____

PROPOSED WORK: DRILL ✓ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON ___ CLEAN OUT AND REPLUS ___
TARGET FORMATION SALINA ESTIMATED DEPTH 6800'

WELL OPERATOR PPG INDUSTRIES DESIGNATED AGENT C.D. DOUGLASS AUG 11 1980
ADDRESS P.O. BOX 191 ADDRESS P.O. BOX 191
NEW MARTINSVILLE, W.VA. 26155 9-0 NEW MARTINSVILLE, W.VA. 26155



RECORDED
JAN - 8 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

DEPT. OF MINES

WELL RECORD

Quadrangle Powhatan Point, WV - Ohio
Permit No. 47-051-0674

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ Brine X
(Kind)

Company PPG Industries, Inc.
Address New Martinsville, WV
Farm Wenzel (Former) Acres 6.4
Location (waters) Ohio River - East Bank
Well No. PPG #36 Elev. 639
District Franklin County Marshall
The surface of tract is owned in fee by
PPG Industries, Inc., P.O. Box 191,
Address New Martinsville, WV
Mineral rights are owned by PPG Industries, Inc.
Address New Martinsville, WV
Drilling Commenced 9-25-80
Drilling Completed 10-20-80
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test. _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 16"	68'	66'	
20-16			
Cond. 13 3/8"	69'	66'	
13-10"			
9 5/8	1632'	1621'	380 SKS.
8 5/8			
7	6685'	6670'	850 SKS.
5 1/2			
4 1/2 4"	6682'	6675'	
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill & Cinders			0	6	} Measured from ground elevation of 638.32' above sea level. Water @ 22' from surface.	
Clay, Sand, & Stones			6	12		
Clay & Stones			12	18		
Clay, Sand, & Stones			18	24		
Sand & Clay			24	36		
Sand & Gravel			36	66		
Gray Shale			77	81	} Measured from top of Kelly Bushing on drilling platform at elevation of 649.50' above sea level.	
Sand & Shale			81	100		
<u>PENNSYLVANIAN</u>						
Monongehela			100	230		
Conemaugh			230	690		
Allegheny			690	1000		
Pottsville			1000	1186		
<u>MISSISSIPPIAN</u>						
Maxton			1186	1266		
Mauch Chunk			1266	1282		
Greenbrier			1282	1300		
Loyalhanna			1300	1330		
Big Injun			1330	1573		
Pocono			1573	1650		
Weir			1650	1787		



* Indicates Electric Log tops in the remarks section.

(over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner PPG Industries, Inc.
Address P.O. Box 191 New Martinsville, WV
Mineral Owner PPG Industries, Inc.
Address Same
Coal Owner PPG Industries, Inc.
Address Same
Coal Operator None
Address _____

DATE July 17, 1980
Company PPG Industries, Inc.
Address P.O. Box 191 New Martinsville, WV
Farm Wenzel (former) Acres 6.4
Location (waters) Ohio River - East Bank
Well No. PPG #36 Elevation 639
District Franklin County Marshall
Quadrangle Powhatan Point

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 3-29-81.

Phil Tracy - 758-4573

[Signature]
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 September 24 1953 by John K. Wenzel made to PPG and recorded on the 24th day of September 1953, in Marshall County, Book 295 Page 319
XX 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 N/A day N/A before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

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.

Very truly yours,

(Sign Name) John E. Eidson - PPG Industries
Well Operator

P.O. Box 191
Street
New Martinsville
City or Town
West Virginia, 26155
State

Address of Well Operator
John E. Eidson
Signed
RECEIVED
JUL 21 1980

OIL & GAS DIVISION
DEPT. OF MINES

BOND DRILL

*SECTION 3 If no objections are filed by four of 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.

[Signature]

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Co. NAME C. D. Douglass
 ADDRESS P.O. Box 754 Indiana, PA ADDRESS P.O. Box 191 New Martinsville, WV
 TELEPHONE 412-349-6800 TELEPHONE 304-455-2200
 ESTIMATED DEPTH OF COMPLETED WELL: 6800' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Salina
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER Brine

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10		75'	
9 - 5/8		1600'	<i>Cement to Surface</i>
8 - 5/8			
7		6800'	
5 1/2			
4 1/2		6800'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 70 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 115-117, 214-218, 905-909, 969-971
 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 hereof.

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