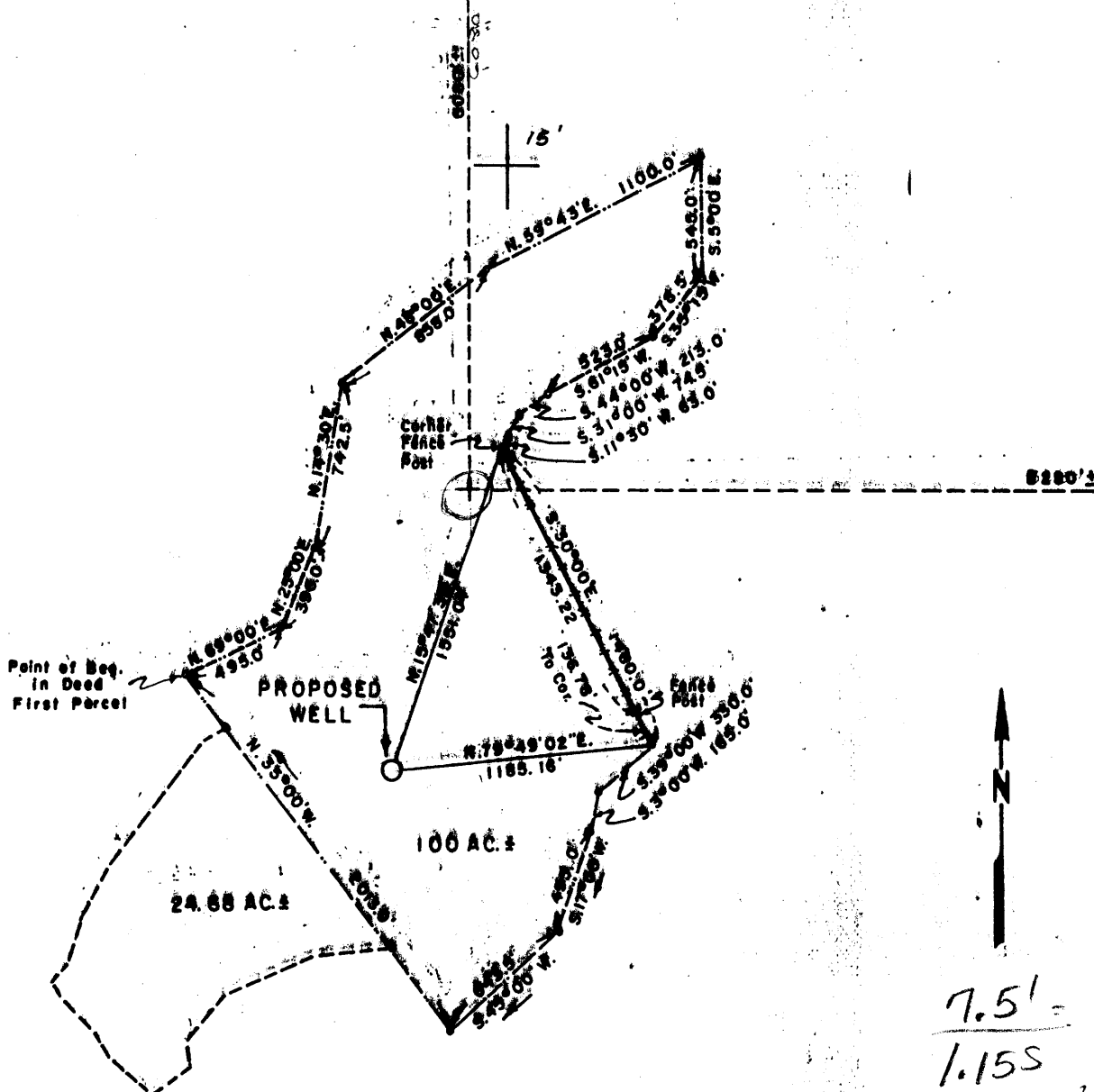


LATITUDE 39° 45' 00"

LONGITUDE 80° 45' 30"



7.51 =
 1.15S
 1.57W

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/2400
 PROVEN SOURCE OF ELEVATION U.S.G.S. MON. D-128
 ELEV. 1243.44

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) John A. Schellha
 R.P.E. 5214 L.L.S. 57

PLACE SEAL HERE

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

DATE, SEPTEMBER 8, 1981
 OPERATORS WELL NO. PPG 101
 API WELL NO. _____
47 - 051 - 0682-FA
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

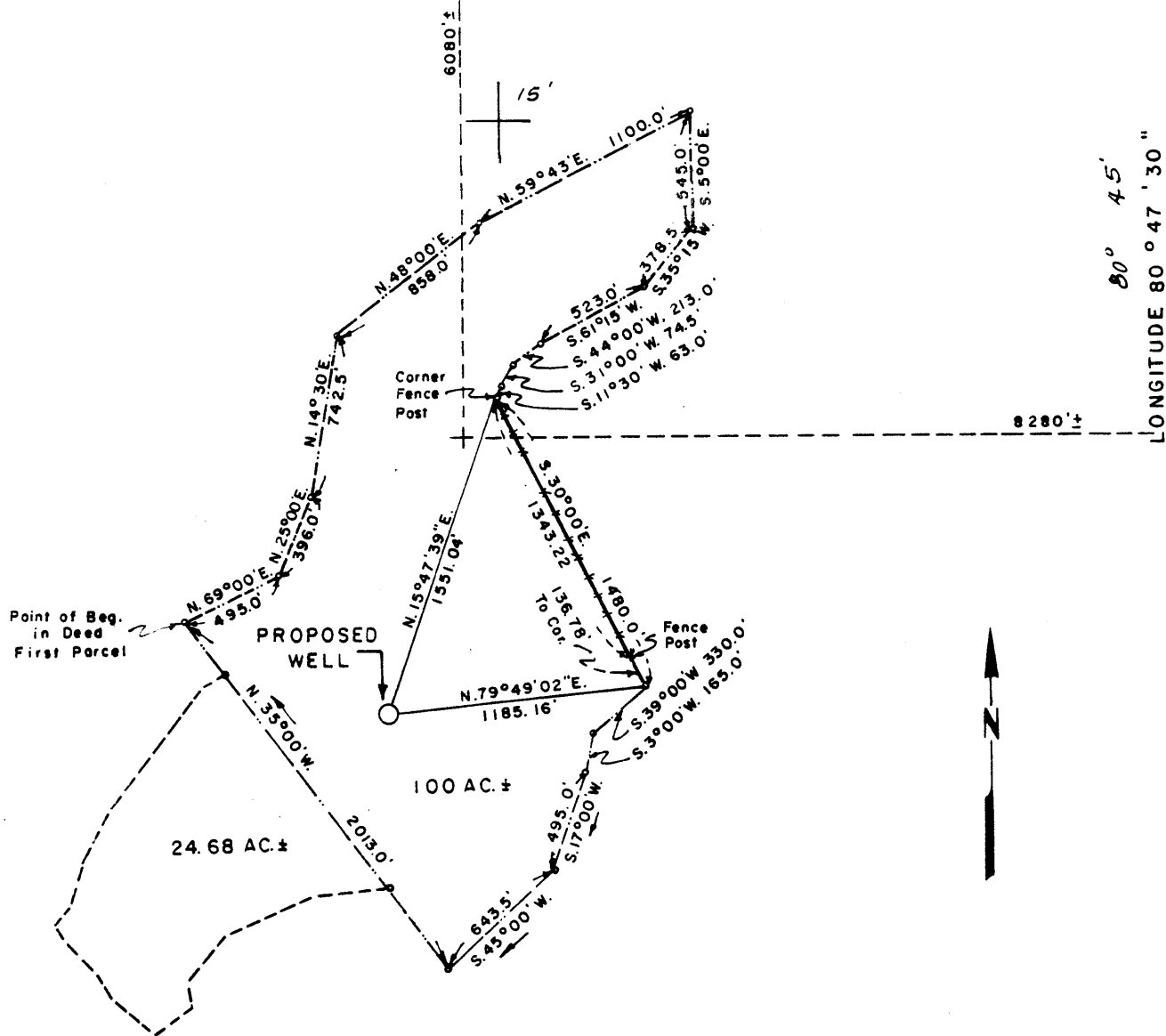
Fracture Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ SALT ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1281 WATERSHED OHIO RIVER
 DISTRICT FRANKLIN COUNTY MARSHALL
 QUADRANGLE NEW MARTINSVILLE 7.8

SURFACE OWNER MARSHALL M. & SARAH GENEVA BOUDY ACREAGE 124.68
 OIL & GAS ROYALTY OWNER MARSHALL M. & SARAH GENEVA BOUDY LEASE ACREAGE 124.68
 LEASE NO. 24

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

PLUG AND ABANDON ___ CLEANOUT AND REPLUG ___
 TARGET FORMATION BOWEN ESTIMATED DEPTH 3800'
 WELL OPI Energy Management Services DESIGNATED AGENT
 ADDRESS 3501 Emerson Ave. - P.O. Box 4428 U ADDRESS
 Parkersburg, W.Va. 26104 Niki Traverson
 204 North Hills Drive



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/2400
 PROVEN SOURCE OF ELEVATION U.S.G.S. MON. D-128
 ELEV. 1243.44

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) *John R. Schellman*
 R.P.E. 5214 L.L.S. 57

PLACE SEAL HERE

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

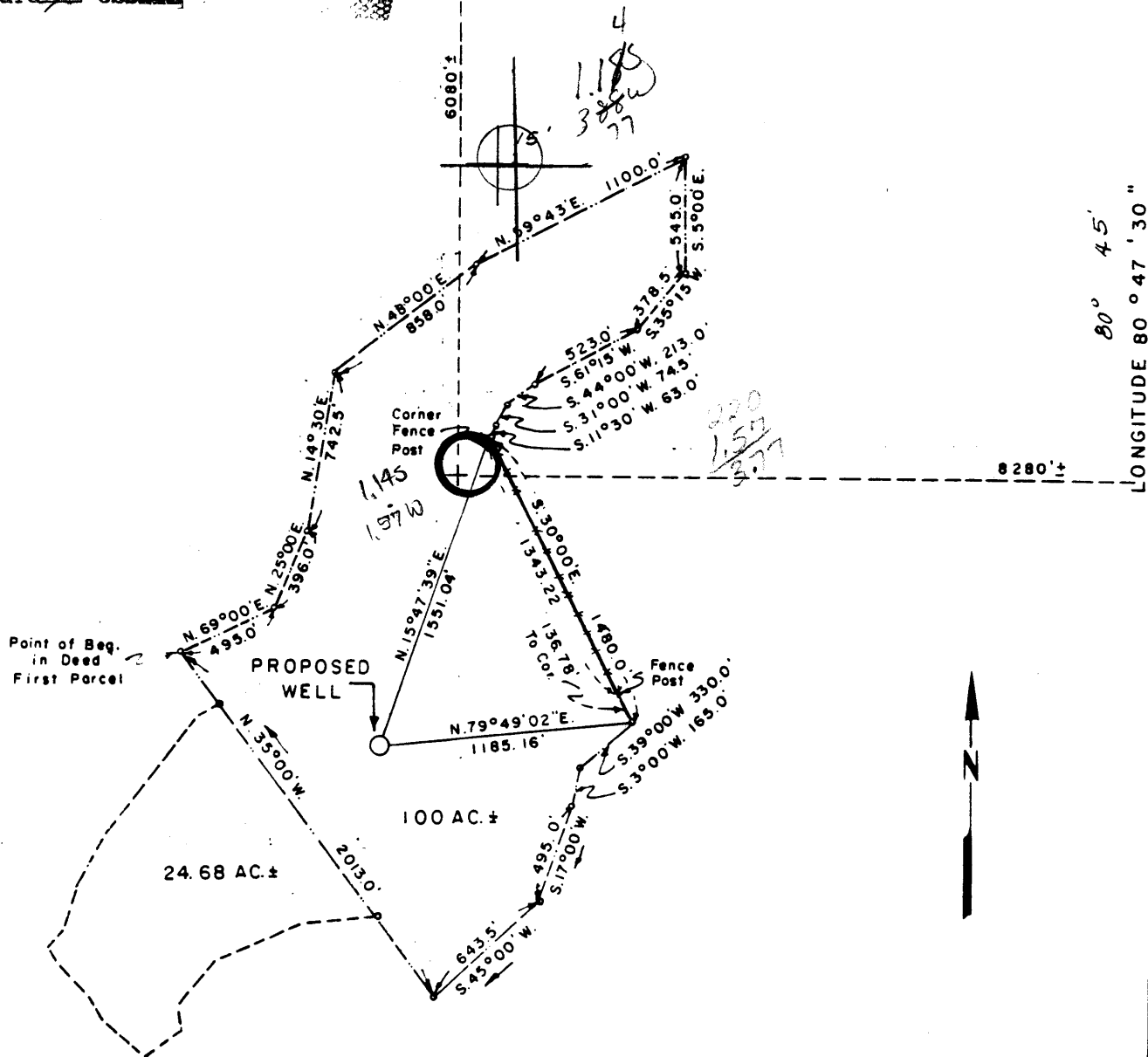
DATE SEPTEMBER 8, 1981
 OPERATORS WELL NO. PPG 101
 API WELL NO. _____
 47 - 051 - 0682-Fr
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ SALT ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1281 WATERSHED OHIO RIVER
 DISTRICT FRANKLIN COUNTY MARSHALL
 QUADRANGLE NEW MARTINSVILLE 7.5
 SURFACE OWNER MARSHALL M. & SARAH GENEVA GOUDY ACREAGE 124.68
 OIL & GAS ROYALTY OWNER MARSHALL M. & SARAH GENEVA GOUDY LEASE ACREAGE 124.68
 LEASE NO. 24
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEANOUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 3500
 WELL OPI Energy Management Services DESIGNATED AGENT Niki Traverson
 ADDRESS 3501 Emerson Ave.-P.O. Box 4428 Le ADDRESS 204 North Hills Drive
 Parkersburg, WVa. 26104 Parkersburg, WVa. 26101

JUL 15 1985



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/2400
 PROVEN SOURCE OF ELEVATION U.S.G.S. MON. D-122
 ELEV. 1243.44

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) John R. Schellman
 R.P.E. 5214 L.L.S. 57

PLACE SEAL HERE

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

DATE SEPTEMBER 8, 1981
 OPERATORS WELL NO. PPG 101
 API WELL NO. _____
47 - 051 - 0682
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ SALT ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1281 WATERSHED OHIO RIVER
 DISTRICT FRANKLIN COUNTY MARSHALL
 QUADRANGLE NEW MARTINSVILLE 75 NE 415
 SURFACE OWNER MARSHALL M. & SARAH GENEVA GOUDY ACREAGE 124.68
 OIL & GAS ROYALTY OWNER MARSHALL M. & SARAH GENEVA GOUDY LEASE ACREAGE 124.68
 LEASE NO. 24
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEANOUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 3500
 WELL OPERATOR PPG INDUSTRIES DESIGNATED AGENT E. D. DOUGLASS
 ADDRESS Box 191 New Martinsville ADDRESS SAME
WV 26155 2-0 Proctor (27)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES AUG - 7 1984

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**Oil and Gas Division & GAS DIVISION
DEPT. OF MINES
WELL RECORD**

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

Quadrangle New Martinsville

Permit No. 47-051-0682

Company PPG INDUSTRIES INC.
Address P.O. Box 191 New Martinsville, WV
Farm Goudy Acres 124.68
Location (waters) Ohio River
Well No. PPG 101 Elev. 1,281'
District Franklin County Marshall
The surface of tract is owned in fee by Marshall M. Goudy and Sarah Geneva Goudy
Address R. D. #1, Proctor, WV 26055
Mineral rights are owned by ~~XXXXXX~~ same
Address _____
Drilling Commenced 11/16/81
Drilling Completed 11/22/81 ✓
Initial open flow * cu. ft. _____ bbls.
Final production 89 Mcf cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4	30'	30'	
9 5/8			
8 5/8	1,386'	1,386'	365 sacks cement
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

NOT TREATED *n.*

Attach copy of cementing record.

* Since well was not completed, there is no production.

Coal was encountered at 490 Feet 48 Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks
Clay			0	20		
Shale			20	50		
Sand			50	140		
Red Rock & Shale			140	165		1/2" stream water on connections
White Sand			165	175		
Shale			175	180		
Red Rock			180	185		
White Sand & Shale			185	220		
Red Rock			220	230		
White Sand			230	255		
Red Rock			255	265		
Sand & Shale			265	320		
Red Rock			320	325		
Shale			325	385		
Red Rock			385	400		
Gray Sand			400	425		
Gray Shale			425	490		
Black Coal			490	494		
Gray Shale			494	525		
Gray Sand			525	645		
Red Rock & Shale			645	700		
Gray Sand			700	895		
Sand, Shale			895	1285		

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DEC 2 1 1984

OIL & GAS DIVISION
DEPT. OF MINES

* Indicates Electric Log tops in the remarks section.

(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			1285	1410		
Gray Sand			1410	1490		
Shale			1490	1600		
Sand Gray			1600	1945		
Lime & Sand			1945	1975		
Lime			1975	2025		
White Sand (Injun Sand)			2025	2215		
Sand w/Sahle			2215	2250		
Shale			2250	2380	Oil @ 2070	
Sand (Weir Sand)			2380	2420		
Shale			2420	2770		
Sand Shale			2770	2805		
Shale & Sand (Gordon)			2805	2930		
Sand Shale			2930	3555		
Sand (Riley)			3555	3585		
Shale			3585	3648	T.D.	

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DEC 21 1984

OIL & GAS DIVISION
DEPT. OF MINES

Date July 20, 19 84

APPROVED PPG Industries, Inc. Owner

By A. L. Krueger Operations Foreman
 (Title) Brine Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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SEP 14 1981

Oil and Gas Division

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 11, 1981

Surface Owner Marshall M. & Sarah Geneva Goudy

Company PPG Industries, Inc.

Address RD #1 Proctor, WV 26055

Address Box 191 New Martinsville, WV 26155

Mineral Owner SAME

Farm Goudy Acres 124.68

Address _____

Location (waters) Ohio River

Coal Owner Appalachian Power Company

Well No. PPG 101 Elevation 1281

Address Box 1990 Roanoke, VA 24009

District Franklin County Marshall

Coal Operator NONE

Quadrangle New Martinsville 7.5

Address _____

NOTE: Allan R. Poole and Rachel I. Poole, His wife, assigned the lease of the Marshall Goudy property to Pittsburgh Plate Glass Company(PPG Industries) the 7th day of July 1964. As recorded in the office of the clerk of the County Commission of Marshall County, West Virginia, in Assignment Book 4 page 505. This conveys all interest in the oil and gas lease to PPG.

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 May 1 1964 by Marshall M. & Sarah Geneva Goudy made to Allan R. Poole and recorded on the 6th day of May 19 in Marshall County, Book 363 Page 599

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.

Very truly yours,

(Sign Name) John E. Eidson
Well Operator

Address
of
Well Operator

Box 191
Street
New Martinsville
City or Town
West Virginia
State

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 5-30-82.

John B. Brubaker
Deputy Director - Oil & Gas Division

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

47-051-0682

PERMIT NUMBER

RECEIVED

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

SEP 14 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

PROPOSED WORK ORDER TO _____ DRILL XXX DEEPEN 1 FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S.W. Jack Drilling Co NAME C. D. Douglass
 ADDRESS P.O. Box 48, Buchannon, W.Va. 26201 ADDRESS PPG Industries, Inc.
 TELEPHONE 304-472-6147 TELEPHONE 304-455-2200
 ESTIMATED DEPTH OF COMPLETED WELL: 3500' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL XXX GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

PROPOSED CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
- 16			
- 10 11 3/4"	200		
- 5/8			
- 5/8	2000'	2000'	cement to surface
4			
4	3480'	3480'	
			Perf. Top
			Perf. Bottom
2 1/2			Perf. Top
			Perf. Bottom

PROXIMATE FRESH WATER DEPTHS 100' FEET _____ SALT WATER 1800' FEET _____
 PROXIMATE COAL DEPTHS 400', 600'
 COAL BEING MINED IN THE AREA? No BY WHOM? _____

DRILL:

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

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.

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 of.

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.

BLANKET BOND

For Coal Company

RECEIVED

JUL 2 1985



1) Date: May 20, 19 85
 2) Operator's Well No. Goudy #1 (PPG 101)
 3) API Well No. 47 -051-0682 Frac
 State _____ County _____ W Permit

STATE OF WEST VIRGINIA
 OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION
DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1281 / Watershed: OHIO RIVER
 District: Franklin Dist County: Marshall Quadrangle: New Martinsville
- 6) WELL OPERATOR Energy Management Services 7) DESIGNATED AGENT Niki Traverson
 Address 3501 Emerson Ave (P.O. Box 4428) Address 204 North Hills Drive
Parkersburg, W.V. 26104 15815 Parkersburg, W.V. 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Lowther (774) Name N.A.
 Address General Delivery Address _____
Middlebourne, W.V.
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill XXXX / Stimulate XXX /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Riley and Gordon (434)
- 12) Estimated depth of completed well, 3648' feet
 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8</u>			<u>XX</u>			<u>1386'</u>	<u>(EXISTING)</u>	
Production	<u>4 1/2</u>			<u>XX</u>			<u>t.d.</u>	<u>176 c.f.</u>	Depths set
Tubing									
Liners									Perforations: Top <u>2960'</u> Bottom <u>3593</u>

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-051-0682 Frac (W) Date July 2 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 2, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond <u>150</u>	Agent: <u>ALB</u>	Plat: <u>MXI</u>	Casing: <u>MXI</u>	Fee: <u>1657</u>
-----------------	-------------------	------------------	--------------------	------------------

Margaret J. Hesse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File