

New Location...
 Drill Deeper.....
 Abandonment..... - 9/6/90

Company: PPG. Industries, Inc.
 Address: _____
 Farm: CLEMENTS FROHNAPFEL
 Tract: _____ Acres 71.86 Lease No. _____
 Well (Farm) No. 7 Serial No. _____
 Elevation (Spirit Level) 635.03'
 Quadrangle NEW MARTINSVILLE
 County MARSHALL District FRANKLIN
 Engineer C.E. Mann
 Engineer's Registration No. 1712
 File No. _____ Drawing No. S-40397-G
 Date 10-30-51 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. MARS-221-P

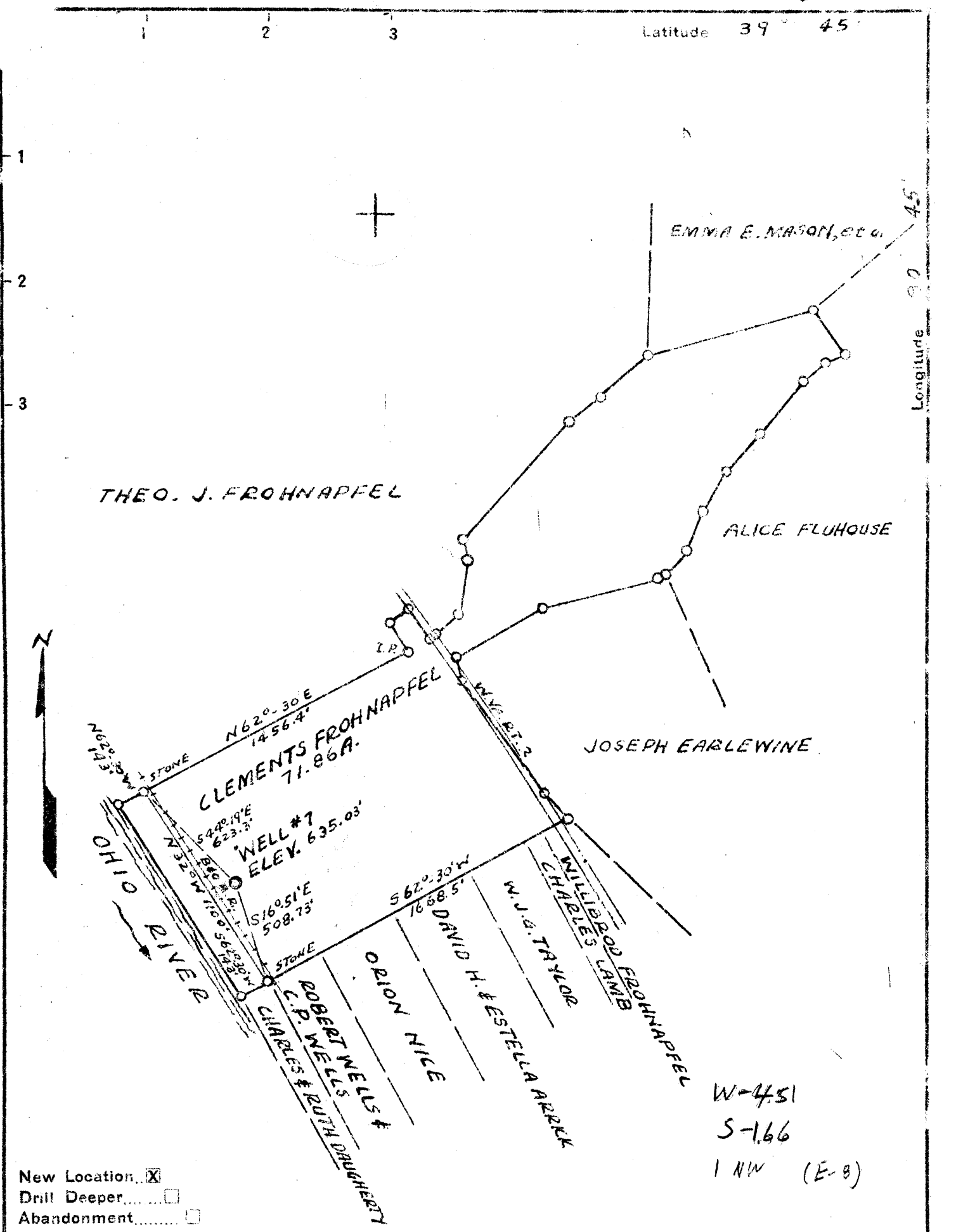
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

"IMPERIAL" TRACING CLOTH
 K & E CO., N. Y.

DEEP WELL

Latitude 39° 45'

Longitude 90° 45'



New Location
 Drill Deeper
 Abandonment

W-451
 S-166
 1 NW (E-8)

Company COLUMBIA-SOUTHERN CHEM. COR.
 Address NEW MARTINSVILLE, W.VA.
 Farm CLEMENTS FROHNAPFEL
 Tract _____ Acres 71.86 Lease No. _____
 Well (Farm) No. 7 Serial No. _____
 Elevation (Spirit Level) 635.03'
 Quadrangle NEW MARTINSVILLE - NE
 County MARSHALL District FRANKLIN
 Engineer C. E. Miner
 Engineer's Registration No. 1712
 File No. _____ Drawing No. S-40397-G
 Date 10-30-51 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. MARS-227

+ 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.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Mars 227

Salt Well
CASING & TUBING

New Martinsville Quad.

| | | | |
|-----------|---|-----------------|---------|
| Company | Columbia-Southern Chemical Corp. | | |
| Address | New Martinsville, W.Va. | 20 | 70 |
| Farm | Clements Frohnappel A 71.86 | 133/8 | 956.14 |
| Location | East Bank of Ohio River near Proctor 10 $\frac{1}{2}$ | | 936.33 |
| Well No. | 7 Elev. 653.03 | 8 5/8 | 5784.30 |
| District | Franklin Marshall County | 4 $\frac{1}{2}$ | 6789.80 |
| Surface | Columbia-Southern Chemical Corp. New Martinsville, W.Va. | | |
| Mineral | Union Carbide and Carbon Corp. New York City | | |
| Commenced | Feb. 6, 1952 | | |
| Completed | July 3, 1952 | | |

| | | | | | | | |
|---------------------|---|------|------|---------------|---|------|------|
| Rotary Table | | 0 | 12 | Lime & Slate | H | 3170 | 3187 |
| Sand & Gravel | S | 12 | 73 | Slate & Shale | H | 3187 | 3245 |
| Rock | S | 73 | 90 | Lime & Shale | H | 3245 | 3347 |
| Lime | S | 90 | 160 | Shale | H | 3347 | 3454 |
| Coal | S | 160 | 164 | Lime & Shale | H | 3454 | 3527 |
| Lime & Shale | S | 164 | 311 | Shale | H | 3527 | 3625 |
| Rock | S | 311 | 333 | Lime & Shale | H | 3625 | 3653 |
| Slate & Shale | S | 333 | 475 | Shale | H | 3653 | 4050 |
| Lime & Shale | S | 475 | 501 | Black Lime | H | 4030 | 4055 |
| Little Dunkard | S | 501 | 586 | Lime & Shale | H | 4055 | 4077 |
| Lime & Shale | S | 586 | 800 | Shale | H | 4077 | 4141 |
| Slate | S | 800 | 866 | Lime & Slate | H | 4141 | 4529 |
| Coal | S | 866 | 868 | Shale & Slate | H | 4529 | 4881 |
| Lime & Slate | S | 868 | 930 | Lime & Shale | H | 4881 | 4948 |
| Sand & Salt | S | 930 | 955 | Shale | H | 4948 | 5727 |
| Slate & Shale | S | 955 | 980 | Lime | H | 5727 | 5728 |
| Lime | H | 980 | 1000 | Shale | H | 5728 | 5751 |
| Shale & Sand | H | 1000 | 1033 | Shale & Slate | H | 5751 | 5791 |
| Lime & Sand | H | 1033 | 1050 | Shale | H | 5791 | 5820 |
| Sand | H | 1050 | 1128 | Lime | H | 5820 | 6047 |
| Lime & Slate | H | 1128 | 1208 | Sand Oriskany | H | 6047 | 6101 |
| Shale | H | 1208 | 1225 | Lime | H | 6101 | 6703 |
| Sand | H | 1225 | 1253 | Salt | H | 6703 | 6710 |
| Lime & Shale | H | 1253 | 1264 | Lime | H | 6710 | 6726 |
| Lime | H | 1264 | 1270 | Salt | H | 6726 | 6728 |
| Shale | H | 1270 | 1274 | Lime | H | 6728 | 6730 |
| Lime | H | 1274 | 1288 | Salt | H | 6730 | 6800 |
| Slate | H | 1288 | 1295 | Lime | H | 6800 | 6803 |
| Lime | H | 1295 | 1369 | Salt | H | 6803 | 6807 |
| Sand Injun | H | 1369 | 1610 | Lime | H | 6807 | 6338 |
| Slate | H | 1610 | 1669 | | | | |
| Lime | H | 1669 | 1837 | | | | |
| Slate | H | 1837 | 1847 | | | | |
| Shale | H | 1847 | 1967 | | | | |
| Lime & Slate | H | 1967 | 2013 | | | | |
| Shale | H | 2013 | 2029 | | | | |
| Slate | H | 2029 | 2037 | | | | |
| Shale | H | 2037 | 2128 | | | | |
| Lime & Shale | H | 2128 | 2175 | | | | |
| Shale | H | 2175 | 2204 | | | | |
| Lime & Shale | H | 2204 | 2232 | | | | |
| Shale, Slate & Lime | H | 2232 | 2285 | | | | |
| Lime | H | 2285 | 2307 | | | | |
| Shale & Lime | H | 2307 | 2341 | | | | |
| Lime | H | 2341 | 2359 | | | | |
| Lime & Shale | H | 2359 | 2373 | | | | |
| Shale | H | 2373 | 2606 | | | | |
| Slate | H | 2606 | 2643 | | | | |
| Shale | H | 2643 | 2709 | | | | |
| Slate & Shale | H | 2709 | 2757 | | | | |
| Shale | H | 2757 | 2825 | | | | |
| Blue Slate | H | 2825 | 2850 | | | | |
| Shale | H | 2850 | 2902 | | | | |
| Slate | H | 2902 | 3106 | | | | |
| Lime, Slate & Shale | H | 3106 | 3139 | | | | |
| Shale | H | 3139 | 3170 | | | | |

5820
653

-5167

6047
653

-5394

1295
653

642

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

RECEIVED
Division of Energy
Oil and Gas

OCT 04 90

AFFIDAVIT OF PLUGGING AND FILLING WELL

JIC Section

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: FROHNAPFEL, CLEMENTS Operator Well No.: PPG IND. #7

LOCATION: Elevation: 635.03 Quadrangle: POWHATAN POINT
District: FRANKLIN County: MARSHALL
Latitude: 8550 Feet South of 39 Deg. 45 Min. 0 Sec.
Longitude 11400 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL _____ GAS _____ Brine X

Company: PPG Industries, Inc.
P. O. Box 191
New Martinsville, WV 26155

Coal Operator PPG Industries, Inc.
or Owner P. O. Box 191
New Martinsville, WV 26155

Agent: K. S. Walborn
Inspector:
Permit Issued: 09/06/90

Coal Operator _____
or Owner _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Marshall

ss: Dennis W. Hunter/PPG Industries, Inc.

I. L. Morris Well Services and Halliburton Services 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 PPG Industries, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13 day of August, 1990, and that the well was plugged and filled in the following manner:

| TYPE | FROM | TO | PIPE REMOVED | LEFT |
|--------------------------|------|------|--------------------|-------------------|
| Drillable Bridge Plug | 5985 | 5985 | 936.33'-10 3/4" OD | 956'-13 3/8" OD |
| Cement | 5985 | 5735 | -Sur- to 936'- | Surface |
| Hole Cave & Salt Gel | 5735 | 5470 | 2043.67'-8 5/8" OD | 3759.56'-8 5/8" |
| Cement | 5470 | 5220 | -936' to 2980'- | -2980 to 6739' |
| Halliburton Gel | 5220 | 3240 | | 665.58'-4 1/2" OD |
| Cement | 3240 | 2790 | | -6330'-6739' |
| Gel | 2790 | 1500 | | |
| Cement | 1500 | 1300 | | |
| Gel | 1300 | 1056 | | |
| Cement | 1056 | 856 | | |
| Description of monument: | | | | |
| Gel | 856 | 500 | | |
| Cement | 500 | 0 | | |

and that the work of plugging and filling said well was completed on the 16 day of August, 1990.

And further deponents saith not.

Dennis W. Hunter

Sworn and subscribe before me this 1st day of October, 1990
My commission expires: Mar. 23, 1992

Alice K. Johnson
Notary Public