



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

BY C. D. DOUGLASS
DEGREE OF ACCURACY 1 IN 1500

- New Location
- Drill Deeper
- Abandonment

Company <u>PPG INDUSTRIES</u>	
Address <u>BOX 191 NEW MARTINSVILLE, W.VA.</u>	
Farm <u>PPG (FORMERLY JOHN WENZEL)</u>	
Tract _____	Acres <u>6.4</u> Lease No. _____
Well (Farm) No. <u>34</u>	Serial No. _____
Elevation (Spirit Level) <u>639.81</u>	PPG B.M. 205 ELEV. 645.26'
Quadrangle <u>CLARINGTON, OHIO</u>	POINT <u>W.VA.</u>
County <u>MARSHALL</u>	District <u>FRANKLIN</u>
Engineer <u>C. D. DOUGLASS</u>	
Engineer's Registration No. <u>1854</u>	
File No. _____	Drawing No. <u>SK-41424-G</u>
Date <u>2-16-71</u>	Scale <u>1" = 200'</u>

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

WELL LOCATION MAP
FILE NO. Mars-544P

+ 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.

SK-41424-G



MAY 20 1971

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

G. NOLL
E. H. ...

WELL RECORD

BRINE
(KIND)

Permit No. MARS - 544

Clarington
Quadrangle (POWHATAN POINT, W. VA. - OHIO)

Company PPG INDUSTRIES
Address NEW MARTINSVILLE, WEST VIRGINIA
Farm PPG INDUSTRIES (FORMERLY JOHN WENZEL) Acres 6.4
Location (waters) EAST BANK OHIO RIVER - NATRIUM R.B. 650
Well No. 34 Elev. GROUND 640
District FRANKLIN County MARSHALL
The surface of tract is owned in fee by PPG INDUSTRIES
Address NEW MARTINSVILLE
Mineral rights are owned by PPG INDUSTRIES
Address NEW MARTINSVILLE
Drilling commenced MARCH 3, 1971
Drilling completed MARCH 31, 1971
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of packer
13 3/8	67	67	CEMENTING COLLAR
9 5/8"	1,704	1,704	Size of 7"
8 1/4			
7"	6,696	6,696	Depth set 6,519
5 3/16			
4	6,705	6,705	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record: 9 5/8" = 1,704' 3-6-71
CASING CEMENTED 7 SIZE 6,519' No. Ft. 3-25-71 Date
Amount of cement used (bags) 9 5/8" = 725 BAGS; 7" = 1,320 BAGS
Name of Service Co. HALLIBURTON SERVICES
COAL WAS ENCOUNTERED AT 115 FEET 24 INCHES
214 FEET 48 INCHES 905 FEET 48 INCHES
969 FEET 24 INCHES FEET INCHES

WELL ACIDIZED (DETAILS)

WELL FRACTURED (DETAILS)

RESULT AFTER TREATMENT (Initial open Flow or bbls.)

ROCK PRESSURE AFTER TREATMENT

HOURS

Fresh Water Feet

Salt Water

Feet

Producing Sand

Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
MONONGAHELA			0	214			
FILL & CLAY			0	24			
SAND & GRAVEL			24	66			
BEDROCK			66	69			
LIME & SHALE			69	115			
COAL			115	117			
LIME & SHALE			117	214			
CONEMAUGH			214	735			
COAL (PITTSBURGH)			214	218			
SAND & SHALE			218	735			
ALLEGHENY			735	1,015			
FREEPORT LIME (UPPER)			735	741			
SHALE & SAND			741	905			
COAL			905	909			
SHALE & SAND			909	969			
COAL (LOWER KITTANNING)			969	971			
SHALE			971	1,015			
PITTSVILLE			1,015	1,188			
HOMEROD SANDS			1,015	1,094			
SHALE & SAND			1,094	1,188			

Nothing to API

Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
MISSISSIPPIAN			1,188	1,970			
LITTLE LIME			1,188	1,205		EL	
PENCIL CAVE SHALE			1,205	1,209	1260	1271	
LIME & SHALE			1,209	1,260	645	650	
GREENBRIAR LIME			1,260	1,360	-615	-621	
BIG INJUN SAND			1,360	1,543			
SHALE & SAND			1,543	1,690			
WEIR GROUP			1,690	1,776			
SHALE			1,776	1,941			
BEREA SAND			1,941 1906	1,970 1914	Schf-1		
DEVONIAN SYSTEM			1,970	6,274			
CATSKILL GROUP			1,970	2,240	Gordon	2912	
TOP CHEMUNG			2,240	2,925			
WILEY			2,875 2845	2,925			
SHALE & SAND			2,925	2,972			
BENSON SAND			2,972	2,978 2975			
SHALE			2,978	5,580			
MARCELLUS SHALE			5,580 5586	5,687 5696			
ONONDAGA LIME			5,687 5696	5,907			
ORISKANY (RIDGELEY)			5,907 5716	5,960 5961			
ORISKANY (SHRIVER)			5,960	6,170			
HELDERBERG LIME			6,170	6,274			
SILURIAN			6,274				
KEYSER LIME			6,274	6,378			
SALINA GROUP			6,378				
LIME			6,378	6,461			
DOLOMITE			6,461	6,567			
SALT			6,567	6,575			
DOLOMITE & SALT			6,575	6,579			
SALT			6,579	6,590			
DOLOMITE & SALT			6,590	6,594			
SALT			6,594	6,672			
DOLOMITE & SALT			6,672	6,675			
SALT			6,675	6,693			
DOLOMITE & ANHYDRITE			6,693	6,709			
SALT			6,709	6,712			
DOLOMITE & ANHYDRITE			6,712	6,719			
TOTAL DEPTH				6,719			
ALL MEASUREMENTS ARE REFERENCED TO GROUND LEVEL ELEVATION OF 640'							

Date MAY 12, 19 71

APPROVED PPG INDUSTRIES, Owner
 By J. M. LINK
PLANT UTILITIES ENGINEER
 (Title)

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

Permitting
Office of Oil & Gas
AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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: PPG INDUSTRIES, INC. Operator Well No.: 34 BRINE WELL

LOCATION: Elevation: 639.52 Quadrangle: POWHATAN POINT
District: FRANKLIN County: MARSHALL
Latitude: 26400 Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 8976 Feet West of 80 Deg. 50 Min. Sec.

Well Type: OIL _____ GAS _____ Brine X

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

Agent: _____ Coal Operator _____
or Owner _____

Permit Issued: 05/04/94

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of MARSHALL ss:

S.W. Jack Drilling Co. and UNIVERSAL WELL SERVICE, Inc. 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 the above named well operator, and participated in the work of plugging and filling the above well, and RANDALL Mick Oil and Gas Inspector representing the Director, say that said work was commenced on the 9th day of MAY, 1994, and that the well was plugged and filled in the following manner:

TYPE	PACKER FROM	TO	PIPE REMOVED	@ LEFT
<u>5 3/8 X 7" LYNES Inflatable</u>	<u>5817.05</u>	<u>5809.45</u>	<u>@ 5828.35 Packer</u>	<u>5825.98 - 4 1/2" DP</u>
<u>Cement - 91 sk</u>	<u>5809.45</u>	<u>5282.00</u>	<u>MANDRALL REMOVER</u>	<u>liner 865.88 ft</u>
<u>6% Gel</u>	<u>5282.00</u>	<u>5264.00</u>	<u>W/ BROKEN thread to sub.</u>	<u>with 3 PPK Ups,</u>
<u>Cement - 12 sk</u>	<u>5264.00</u>	<u>5200.00</u>		<u>2 PPK Nuts # 3</u>
<u>* Cement - 36 sk</u>	<u>3050.00</u>	<u>2850.00</u>		<u>Packer 5/8 EUE'S</u>
<u>* Cement - 18 sk</u>	<u>2000.00</u>	<u>1900.00</u>		<u>Top.</u>
<u>* Cement - 55 sk</u>	<u>1600.00</u>	<u>1300.00</u>		<u>0.6683.66 7 1/2"</u>
<u>* Cement - 27 sk</u>	<u>150.00</u>	<u>SURFACE</u>		<u>1-whipstock @ 500'</u>
<u>* 6% Gel BETWEEN Cement</u>				<u>1-whipstock @ 627'</u>

Description of monument: "High 7" Pipe RISER with Cap and WELL ID.
and that the work of plugging and filling said well was completed on the 10th day of May, 1994.

And further deponents saith not. J.T. Howard 10/20/97

Sworn and subscribe before me this 20th day of October, 1997

My commission expires: Mar 23, 2002
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
ALICE K. JOHNSON
Route 1, Box 6 Doolin
New Martinsville, West Virginia 26155

Alice K. Johnson FEB 20 1998
Notary Public
Oil and Gas Inspector: Michael W. Fair