

39°45'00"

Latitude

.435
.62w

80°50'00"

Longitude

Topo Location

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

Company Proctor

Farm ?

15' Quad _____
(sec.)

7.5' Quad New Martinsville

District Franklin

WELL LOCATION PLAT

County 051 Permit 534

WW-7
5-02



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 51-00534P WELL NO.: 17 BRINE WELL

FARM NAME: PLANT AREA OF PPG INDUSTRIES INC.

RESPONSIBLE PARTY NAME: PPG INDUSTRIES INC.

COUNTY: MARSHALL DISTRICT: FRANKLIN³

QUADRANGLE: NEW MARTINSVILLE, W.VA. - OHIO⁵⁰⁹

SURFACE OWNER: PPG INDUSTRIES INC.

ROYALTY OWNER: PPG INDUSTRIES INC.

UTM GPS NORTHING: 4,399,514.76

UTM GPS EASTING: 513,182.96 GROUND ELEV. GPS ELEVATION: 207.42

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) - meters.
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method:

Survey grade GPS Post Processed Differential
Real-Time Differential

Mapping Grade GPS Post Processed Differential
Real-Time Differential

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Henry M. Parsons
Signature

LAND SURVEYOR NO. 98
Title

JAN. 10, 2003
Date

JAN 17 2003

Deep well

MARS 0534 P



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle New Martinsville, W.Va.-Ohio

Permit No. MARS-531

WELL RECORD

Oil or Gas Well Brine
(KIND)

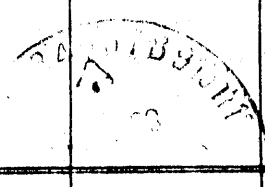
Company	PPG Industries	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	New Martinsville, West Virginia	Size			
Farm	Reconstruction Finance Corp. Acres N/A	16			Kind of Packer
Location (waters)	East Bank Ohio River - Natrium Ground 680	13	95'	95'	
Well No.	17 Elev. R.T. 690	9-5/8"	1714'	1714'	Size of
District	Franklin County Marshall	8 1/4			Depth set
The surface of tract is owned in fee by	PPG Industries	6 3/4			
Mineral rights are owned by	PPG Industries	5 3/16			
Drilling commenced	May 16, 1967	4 1/2			Perf. top
Drilling completed	July 24, 1967	3			Perf. bottom
Date Shot	N/A From -- To --	7"-26#	6729'	6729'	Perf. top
With		Liners Used			Perf. bottom

Open Flow -- /10ths Water in -- Inch
 -- /10ths Merc. in -- Inch
 Volume -- Cu. Ft.
 Rock Pressure No data lbs. -- hrs.
 Oil -- bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) --
 WELL FRACTURED (DETAILS) --

Attach copy of cementing record. 9-5/8" - 1714' - 6-15-67
 CASING CEMENTED 7" SIZE 6729 No. Ft. 7-14-67 Date
 Amount of cement used (bags) 9-5/8" = 725 bags; 7" = 1300 bags
 Name of Service Co. Halliburton
 COAL WAS ENCOUNTERED AT 204 FEET 48 INCHES
 400? FEET 60 INCHES 1025 FEET 36 INCHES
 FEET INCHES FEET INCHES

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	Measured Top	Measured Bottom	T.V.D. Top	T.V.D. Bottom	Remarks
Monongahela			0	204			
Conemaugh			204	818			
Pittsburgh Coal			204	208			
Lime & Shale			208	400			
Coal?			400	405	1334		
Sand & Shale			405	524	690		
Saltsburg Sand			524	554	644		
Brush Creek Lime			691	697			
Allegheny			818	1068			
Upper Freeport Lime			818	828			
Lower Kitt. Coal			1025	1028			
Pottsville			1068	1242			
Homewood Sands			1068	1176			
Maxton Sand			1198	1230			
Mississippian			1242	2020			
Little Lime			1242	1258			
Pencil Cave Shale			1258	1268			
Greenbriar			1334	1402			
Big Injun Sand			1416	1629			
Weir Group			1790	1852			
Berea Sand			1985	2020			
Devonian			2020	6510			



Formation	Color	Hard or Soft	Top	Bottom	T.V.D. Top	T.V.D. Bottom	Remarks
Catskill			2020	2225	↓	↓	
Top Chemung			2225	?			
Top Riley			2795	2950	2793	2947	
Hannon Sand			2950	2958	2947	2955	
Marcellus Shale			5102	5880	5070	5835	
Onondaga Lime			5880	6105	5835	6057	
Oriskany (Ridgeley)			6105	6156	6057	6107	
Oriskany (Shriver)			6156	6403	6107	6353	
Holderberg Lime			6403	6510	6353	6460	
Silurian System			6510	--	6460		
Keyser Lime			6510	6763	6460	6713	
Top Salina Group			6763	--	6713	--	
Salt			6763	6861	6713	6811	
Anhydrite w/innerbedded salt			6861	6865	6811	6815	
Salt			6865	6902	6815	6852	
Anhydrite & Dolomite			6902	6917	6852	6867	
Salt			6917	6919	6867	6869	
Anhydrite & Dolomite			6919	6973 (TD)	6869	6923 (TD)	

NOTE: This well was directionally drilled, and both the measured depths and the true vertical depths are given above. All depths are from the surface of the ground; i.e., from an elevation of 680 feet above sea level.

Date _____, 19__

APPROVED _____, Owner

By _____ (Title)

