

PROPERTY OF
SOLVAY PROCESS DIVISION
ALLIED CHEMICAL CORP

MOUNDVILLE COUNTRY CLUB

New Location - BRINE
Drill Deeper
Abandonment

Company	Solvay Process Division
Address	Moundsville, West Virginia
Farm	Solvay Process Div. Property
Tract	Acres 251.976 Lease No. —
Well (Farm) No.	7 Serial No. —
Elevation (Spirit Level)	640.0'
Quadrangle	Clarrington Businessburg
County	Marshall District Clay
Engineer	Emil M. Graf 19290-P.E. N.Y. State
Engineer's Registration No.	—
File No.	— Drawing No. —
Date	May 12, 1959 Scale 1" = 600'

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

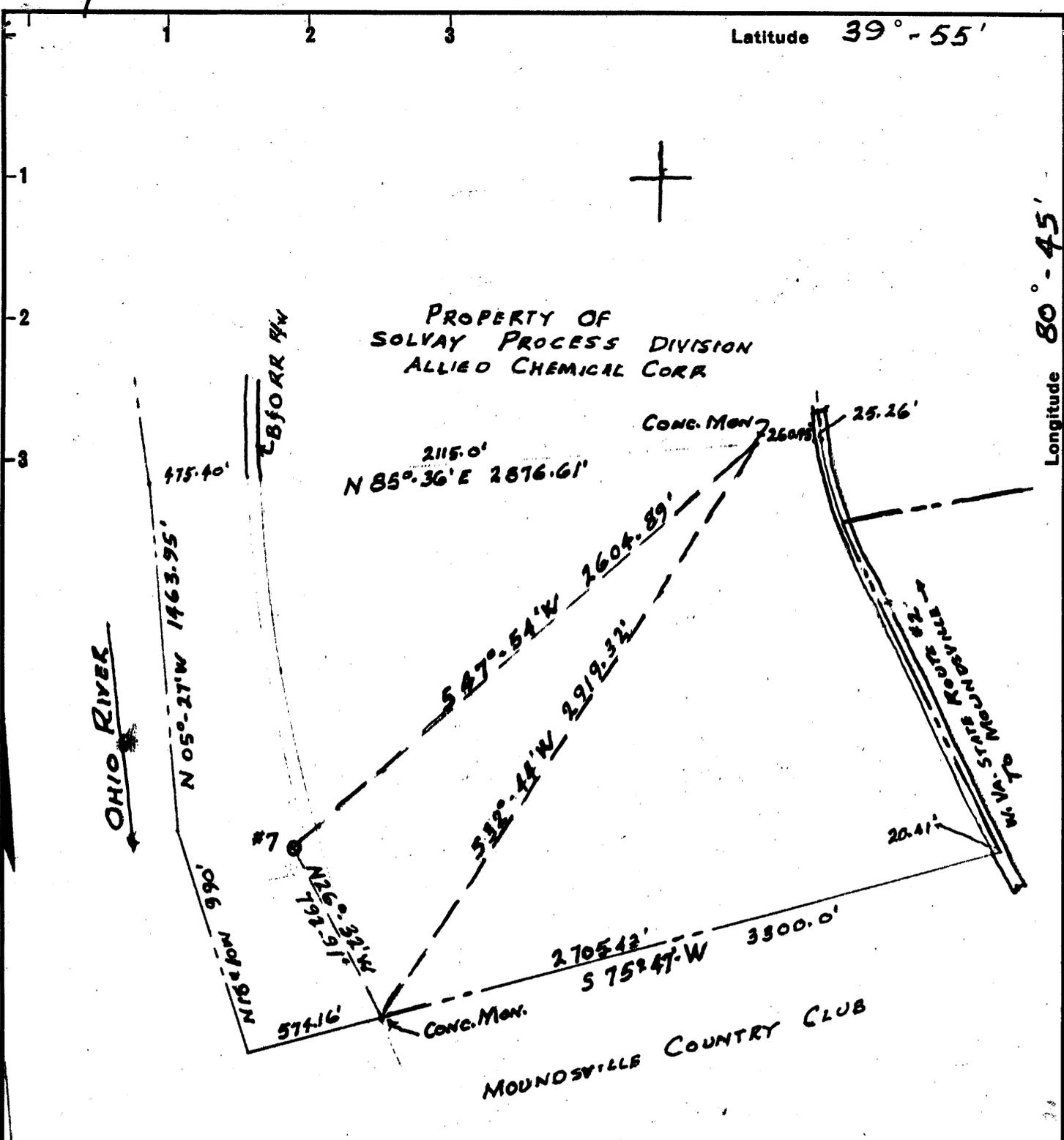
API# 47-051-00352 7
Allied Signal Inc.
PO Box J, Moundsville, WV 26041

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.

Longitude 80° 47' 30" 80° 45' 000'

MARS D352-P



New Location - BRINE
 Drill Deeper
 Abandonment

2,545.
 2.87 W.
 6 NC (D-8)

Company Solvay Process Division
 Address Moundsville, West Virginia
 Farm Solvay Process Div. Property
 Tract — Acres 251.976 Lease No. —
 Well (Farm) No. 7 Serial No. —
 Elevation (Spirit Level) 640.0'
 Quadrangle Clarrington EC
 County Marshall District Clay
 Engineer Emil H. Graf
 Engineer's Registration No. 19290-P.E. N.Y. State
 File No. — Drawing No. —
 Date May 12, 1959 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. MARS-352

+ 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.

Deep Wells

No Sampler



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 5

Quadrangle _____

Permit No. MARS-352

WELL RECORD

Oil or Gas Well SALT

(KIND)

Company Solvay Process Division
Address P.O. Drawer 271, Syracuse 1, New York
Farm Solvay Process Division Acres 5.14
Location (waters) Ohio River
Well No. 7 Elev. 237
District Round Bottom (Clay) County Marshall
The surface of tract is owned in fee by Solvay Process Div.
Address Syracuse, N. Y.
Mineral rights are owned by Solvay Process Division
Address _____
Drilling commenced May 27, 1959
Drilling completed June 23, 1959
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.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 - 3/8	91	91	
10 9-5/8	1,792	1,792	Size of
8 1/4			
6 5/8 7" O.D.	6,537	6,537	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

All Casing Cemented

COAL WAS ENCOUNTERED AT 83 FEET _____ INCHES

405 FEET _____ INCHES FEET _____ INCHES

806 FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

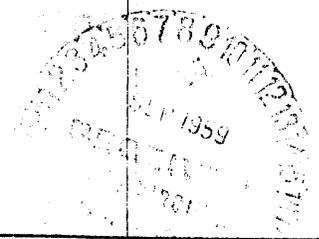
Fresh Water _____ Feet

Salt Water _____

Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand, Gravel			0	65			
Lime			65	83			
Coal			83	86			
Shale			86	98			
Sand			98	117			
Shale			117	130			
Lime			130	140			
Red Rock			140	145			
Sand Shells			145	229			
Red Rock			229	237			
Slate, Shells			237	242			
Red Rock			242	270			
Slate			270	288			
Red Rock			288	315			
Slate, Shells			315	330			
Red Rock			330	339			
Slate, Shells			339	405			
Coal			405	406			
Slate			406	416			
Red Rock			416	422			
Sand Shells			422	445			
Slate, Shells			445	585			
Sand			585	641			
Lime			641	650			
Slate			650	714			
Sand			714	738			
Slate			738	747			
Sand			747	806			
Coal			806	807			

13-3/8" Drive Pipe Set at 86'



(over)

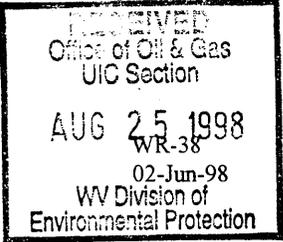
Formation	Color	Hard or Soft	Top 5	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			807	815			
Sand			815	856			
Gritty Lime			856	880			
Slate, Shells			880	996			
Broken Sand			996	1075			
Big Lime			1075	1118			
Big Injun Sand			1118	1390			
Slate, Shells			1390	1532	Water	1,217'	
Gritty Lime			1532	1631			
Slate, Shells			1631	4983			9-5/8" Casing set at 1,792'
Shale			4983	5296			
Lime			5296	5330			
Slate, Shells			5330	5448			
Lime			5448	5468			
Shale			5458	5545			
Lime			5545	5754			
Oriskany Sand			5754	5930			
Lime			5930	6198			
Slate, Shells			6198	6221			
Lime			6221	6350			
Slate			6350	6400			
Salt			6400	6535			
Total Depth				6535			7" O.D. Casing Set at 6,537'

This report made up by
J. A. Fox & Son, Inc.
Box 205
Washington, Pennsylvania

Date Sept. 4, 19 59

APPROVED Solway Process Division, Owner

By M. Slizak, Engineer
(Title)



API # 47-51-00352-P

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

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: HANLIN CHEMICALS Operator Well No.: 7

LOCATION: Elevation: 640.00 Quadrangle: BUSINESSBURG
District: CLAY County: MARSHALL
Latitude: 6000 Feet South of 39 Deg. 55 Min. 0 Sec.
Longitude: 2900 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL _____ GAS _____ OTHER: BRINE

Company: Allied Signal Inc. Coal Operator _____
PO Box J or Owner _____
Moundsville, WV 26041

Agent: Don P. DeNoon Coal Operator _____
or Owner _____

Permit Issued: 06/01/98

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

Union Drilling and James R. Harry, Consultant 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 operator, and participated in the work of plugging and filling the above well, and Michael W. Lewis Oil and Gas Inspector representing the Director, say that said work was commenced on the 10 day of February, 1998, and that the well was plugged and filled in the following manner:

Type	From	To	Pipe Removed	Left
Class A	5.377'	5.700'	13(3/8)" 0'	91'
Salt Water Gel	5.320'	5.377'	9(5/8)" 0'	1.792'
Class A	4.898'	5.320'	7" 0'	6.537'
Salt Water Gel	2.100'	4.898'		
Class A	1.839'	2.100'		
Salt Water Gel	0'	1.839'		
7" Window	5.214'	5.264'		
7" Window	2.000'	2.050'		
Bridge Plug	5.759'			

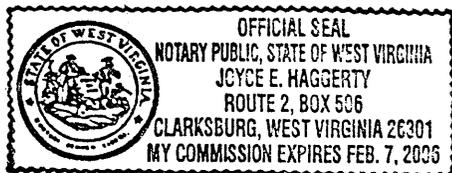
Description of monument: 9(5/8) welded pipe w/2" vent (5' length)
and that the work of plugging and filling said well was completed on the 28 day of May, 1998.

and further deponents saith not. William S. Jones Union Drilling

Sworn and subscribe before me this 6 day of August, 1998
My commission expires: 2-7-2006

Joyce E. Haggerty
Notary Public

Oil and Gas Inspector: Michael W. Lewis



AUG 31 1998

MARS 0352-P