Company: Solvay Process Division
Address: P. O. Drawer 271, Syracuse, 1, New York
Farm: Solvay Process Division
Location (waters): Ohio River
Well No.: 5
Elev.: 347

District: Round Bottom
County: Marshall
The surface of tract is owned in fee by Solvay Process Div.
Address Syracuse, M. Y.
Mineral rights are owned by Solvay Process Division
Address Syracuse, M. Y.

Drilling commenced: January 3, 1953.
Drilling completed: May 13, 1953.
Date Shot: From To
With:

Open Flow

Volume

Rock Pressure

Oil

Fresh water

Salt water

Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
--- | --- | --- | --- | --- | --- | --- | --- |
Sand, Gravel | | | 0 | 65 | | | |
Lime | Coal | 65 | 85 | 65 | | | |
Shale | | 85 | 85 | 85 | | | |
Sand | | 95 | 95 | 95 | | | |
Shale | | 117 | 117 | 117 | | | |
Lime | | 130 | 130 | 130 | | | |
Red Rock | | 140 | 140 | 140 | | | |
Sand Shells | | 145 | 145 | 145 | | | |
Red Rock | | 239 | 239 | 239 | | | |
Slate, Shells | | 237 | 237 | 237 | | | |
Red Rock | | 242 | 242 | 242 | | | |
Slate | | 270 | 270 | 270 | | | |
Red Rock | | 288 | 288 | 288 | | | |
Slate, Shells | | 315 | 315 | 315 | | | |
Red Rock | | 330 | 330 | 330 | | | |
Slate, Shells | | 339 | 339 | 339 | | | |
Coal | | | | 405 | | | |
Slate | | | | 406 | | | |
Red Rock | | | | 416 | | | |
Sand Shells | | | | 422 | | | |
Slate, Shells | | | | 445 | | | |
Sand | | | | 555 | | | |
Lime | | | | 615 | | | |
Slate | | | | 651 | | | |
Sand | | | | 680 | | | |
Gritty Lime | | | | 860 | | | |
Slate, Shells | | | | 880 | | | |
Broken Sand | | | | 996 | | | |
Big Lime | | | | 1075 | | | |
Big Injun Sand | | | | 1138 | | | |
Slate, Shells | | | | 1532 | | | |

Casing and Tubing
Used in Drilling
Size
10
12
14
10
8
6-1/2
8
8
8

Kind of Packer

Size of

Depth Set

Perf. Top

Perf. Bottom

Perf. Top

Perf. Bottom

Casing Cemented
Size 1000/lb. No. to 2/5/53 Date
7-1/2 O. D. 6323' 5/19/53

Coal was Encountered at 86 Feet

FEET

406

INCHES

806

FEET

INCHES

Run 10" Casing at 432'.

14" Drive Pipe to 66' 8".

Water

1,005'

Show of Water.

Water

1,219'

8 Gallons per hr.
<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gritty Lime</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Water</td>
<td>4,294'</td>
<td>Run 8&quot; Casing at 1,809', Cemented by Halliburton with 300 bags of Cement.</td>
</tr>
<tr>
<td>Slate, Shells</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lime</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slate, Shells</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Gas Blowout</td>
<td>5,495'</td>
<td></td>
</tr>
<tr>
<td>Lime</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5,502'</td>
<td></td>
</tr>
<tr>
<td>Crinkly Sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5,506'</td>
<td></td>
</tr>
<tr>
<td>Salt</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Water</td>
<td>6,243'</td>
<td>Run 7&quot; O. D. Casing at 6,390', Cemented by Halliburton with 500 bags of Cement.</td>
</tr>
<tr>
<td>Slate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Depth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6566</td>
<td></td>
</tr>
</tbody>
</table>

**This report made up by**
J. A. Fox, Drilling Contractor
Box 406
Washington, Pennsylvania

**Date**
June 12, 1925

**APPROVED**
Owner

By
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.: 5  

LOCATION:  
Elevation: 635.00  
District: CLAY  
Latitude: 4850 Feet South of 39 Deg. 55 Min. 0 Sec.  
Longitude: 3450 Feet West of 80 Deg. 47 Min. 30 Sec.  

Well Type:  
Company:  
PO Box 3  
Moundville, WV 26041  
Agent: Don P. DeNoon  
Permit Issued: 01/26/98  

STATE OF WEST VIRGINIA,  
County of  

B J Services 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 22 day of January, 1998, and that the well was plugged and filled in the following manner:

<table>
<thead>
<tr>
<th>Type</th>
<th>From</th>
<th>To</th>
<th>Pipe Removed</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td>5.576’</td>
<td>5.642’</td>
<td>14”</td>
<td>0”</td>
</tr>
<tr>
<td>6% Gel</td>
<td>2.778’</td>
<td>5.576’</td>
<td>10(3/4)”</td>
<td>0”</td>
</tr>
<tr>
<td>Class A w/Lates</td>
<td>2.608’</td>
<td>2.778’</td>
<td>8(5/8)”</td>
<td>0”</td>
</tr>
<tr>
<td>Class A</td>
<td>2.258’</td>
<td>2.608’</td>
<td>7”</td>
<td>2.778”</td>
</tr>
<tr>
<td>6% Gel</td>
<td>2.156’</td>
<td>2.258’</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class A</td>
<td>1.705’</td>
<td>2.156’</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6% Gel</td>
<td>0”</td>
<td>1.705’</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridge Plug</td>
<td>5.882’</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Description of monument: 8(5/8) welded pipe w/2” vent (5’ length) and that the work of plugging and filling said well was completed on the 3 day of February, 1998.

and further deponents saith not.

Sworn and subscribed before me this 14 day of August, 1998.


[Signature]

Notary Public  
Oil and Gas Inspector: