U.S. DEPT. OF THE INTERIOR
GEOLICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE
E-log #31

MASTER CARD

Record by: O.W. DeLong
Source of data: Geology
Date: 1/20/67
Map: Mattawan, NW

State: MI
County: Lee
Lat: 41° 10' 60" N
Long: 83° 42' 15" W
Sequential number: 1

Local well number: 4-017
Owner: Pennsylvania Iron Co.
Address: Zuggor

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist.

Use of Water: Stock, Inst, Unused, Reuse, Recharge, Diesel-P, Diesel-other, Other

DATA AVAILABLE: Well data
Freq. W/Ml meas.
Field aquifer char.

Hyd. lab. date:
Qual. water date: type:
Freg. sampling:
Pumping inventory:
Aperture cards:
Log date:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD
Depth well: 644 ft
Casing: 5-60 ft
Rept accuracy: 4

Depth cased:
(C) porous gravel, (G) gravel, (W) water, (S) screen, (R) open perf., (P) perforated, (D) drilled, (G) gallery, (B) bored

Finish: concrete
Method: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q)
Drilled: (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
Date Drilled: 1/20/67
Pump intake setting: ft

Driller: Layne Central

Lift: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)
Shallow: 40 ft

Water: nat
(LP) diesel, elec, gas, gasoline, hand, gas, wind

Descrip. MP:
Alt. LSD: 263 ft
Water level: 161 ft
Date: 1967

Draindown:

QUALITY OF WATER DATA: Iron

Sp. Conduct: 530 x 10
Temp.: 19° C
Date sampled: 1/19

Taste, color, etc.: 1/4 7.8
Well No. 1

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD: Yes

Physiographic Province: D-20

Drainage Basin: T-24

Subbasin: C-22

Topo of well site: Flood, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: System: K-3

Lithology: U-5

Origin: 2

Aquifer, formation, group: TANGORO G-6

Thickness: 34

Length of well open to: UNKN

Depth to top of: 0-0

MINOR AQUIFER: System: 4

Lithology: 4-4

Origin: 4

Aquifer, formation, group: 4-4

Thickness: 34

Length of well open to: 34

Depth to top of: 34

Intervals Screened: 500-560

Depth to consolidated rock: 44

Source of data: 44

Depth to basement: 45

Source of data: 45

Surficial material: 46

Infiltration characteristics: 46

Coefficient Trans. gpd/ft²: 193

Storage: 00003

Coefficient: 3.06

Permeability: 450 gpd/ft²; Spec cap: 5.1 gpm/ft; Number of geologic cards: 34
### MISSISSIPPI BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201

**WATER WELL DRILLERS LOG**

<table>
<thead>
<tr>
<th>Date</th>
<th>Firm Name</th>
<th>County Well Located</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb. 20, 1967</td>
<td>Layne-Central Co.</td>
<td>Lee</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landowner</th>
<th>Description of Formations Encountered</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pennsylvania Tire Company</td>
<td>Gummy clay</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Tupelo, Mississippi</td>
<td>Sandy clay</td>
<td>6</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Hard clay</td>
<td>170</td>
<td>98</td>
</tr>
<tr>
<td><strong>WELL LOCATION:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sec. T N R E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In City limits - S. Green St.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>miles of (direction) of (nearest town)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WELL PURPOSE:</strong> Industrial</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>(home, irrigation, municipal, industrial)</td>
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</tr>
</tbody>
</table>

| WELL COMPLETION DATA:         |                                      |      |    |
| (1) diameter (inches)         | Steel pipe 495'                     |      |    |
|                               | (material)                           |      |    |
| (2) total depth (feet)        |                                     |      |    |
|                               | 595'                                 |      |    |
| (3) static water level (feet) |                                     |      |    |
|                               | 161' below top of ground.           |      |    |
| (4) casing (material)         |                                     |      |    |
|                               | Sand-clay stks                       | 26   | 461|
| (5) screen (length)           |                                     |      |    |
|                               | 500'                                 |      |    |
| (6) pump (HP)                 |                                     |      |    |
|                               | 40                                   |      |    |
| (7) electric log (yes or no)  |                                     |      |    |
| (8) how well bottom plugged   |                                     |      |    |

**DRILLERS REMARKS:**