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Fred C. Hart Associates, Inc.



December 10, 1986

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DEC 11 1986

NYS DEC
REGION 8

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, New York 10278

Attn: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the Monthly Periodic Progress Report for the period Nov. 1, 1986 through Nov. 30, 1986. Also included is a copy of our report "Soil Remediation Feasibility Study and Proposed Soil/Groundwater Remedial Plan" dated Dec. 4, 1986. This report was prepared, as requested, by the NYSDEC.

In addition to the activities described in the monthly report, Brian Jacot and Tom Morahan (HART) are planning to meet with Mark Maroukian, Brian Davidson and Jim Hardy (NYSDEC) on this day, to discuss the technical issues addressed in the above referenced report.

If you have any questions, please feel free to contact me.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian J. Jacot
Geotechnical Services Manager

BJJ:ec

Enclosure

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Jim Hardy, NYSDEC
Commissioner of Health, Orange County Dept. of Health
Walter Stern, President, General Switch Corp.



GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT
11/01/86 - 11/30/86

As requested, HART completed and submitted to NYSDEC (Dec. 5, 1986) a report containing a soil remediation feasibility study and our proposed soil/groundwater remedial plan for the General Switch Site.

No potable well sampling was conducted for the month of November, 1986.

As directed, HART is awaiting instructions for NYSDEC as to when the next potable well sampling is to be conducted.

Fred C. Hart Associates, Inc.

336 025
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NOV 18 1986

NYSDEC
New Paltz

November 17, 1986



Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patricia Wells
Project Officer, Walkill Site

Dear Ms. Wells:

Enclosed please find two copies of the Monthly Periodic Progress report for the period October 1, 1986 through October 31, 1986.

In addition to the activities described in the monthly report, on October 29, Tom Morahan and Brian Jacot (HART) met with Jim Hardy, Mark Maroukian and Brian Davis (New York State Department of Environmental Conservation) to address comments contained in a letter from Louis Evans of NYSDEC, dated August 25 and postmarked September 30, on the proposed remediation program and finalize the technical scope of work.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Geotechnical Services Manager

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
✓ Jim Hardy, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

10/1/86 - 10/31/86

No potable well sampling was conducted for the month of October 1986.

As directed, HART is awaiting instructions from NYSDEC as to when the next potable well sampling is to be conducted.

Fred C. Hart Associates, Inc.

FILE COPY



October 24, 1986

NHN
COPY MJOT
DK
P. Keller
A. Klaus
R. Gardiner

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, New York 10278

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OCT 30 1986

Attn: Patricia Wells
Project Officer, Wallkill Site

NYSDEC
New Paltz

Dear Ms. Wells:

Please find enclosed two copies of the results of the potable well sampling conducted on September 25, 1986. It is my understanding that these results and the reason for the delay have been discussed with you.

I apologize for any inconvenience this delay may have caused.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian J. Jacot

Brian J. Jacot
Geotechnical Services Manager

BJJ:ec

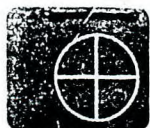
cc: Director, Division of Solid and Hazardous Waste
NYSDEC Commission of Health, Orange County Department
of Health
Walter Stern, President, General Switch Corporation

Encls.

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OCT 27 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE



RECEIVED OCT 22 1986
princeton testing laboratory

609-452-9050

Princeton Service Center, US Route One, Princeton, NJ 08540

Mailing Address: PO Box 3108, Princeton, NJ 08543

DATE: October 20, 1986

TO: [Fred C. Hart Associates
530 Fifth Avenue
New York, NY 10036]

JOB NO. 86G2998

AUTHORIZATION: verbal/R. Dunn

[Attn: R. Dunn]

SAMPLE: Water - 7

REPORT OF ANALYSIS

METHOD DETECTION LIMIT Micrograms/liter	TETRACHLOROETHENE					TRIP	FIELD
	PW-1	PW-2	PW-3	PW-4	PW-5	BLANK	BLANK
	2	86	ND	ND	ND	ND	ND

Received 9/26/86


Nancy S. Dunn, Manager
Organic Laboratory

/rk

Fred C. Hart Associates, Inc.



October 16, 1986

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OCT 17 1986

NYS DEC
REGION 2

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

1. Monthly Periodic Progress Report, 9/1/86 - 9/30/86.
2. Trip Report of Sept. 25th Potable Well Sampling Campaign.
3. Verbal results of Sept. 25th Potable Well Sampling.

In addition to the activities described in the monthly report, HART received a letter from Louis Evans of NYSDEC on October 2, 1986, dated August 25 and postmarked September 30, containing comments on HART's proposed remediation program. In response, HART has requested Jim Hardy of NYSDEC to arrange a meeting to discuss the technical aspects of the program. This meeting is to be scheduled for the week of October 27, 1986.

The monthly report covers all of our activities for the month of September.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Geotechnical Services Manager

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Jim Hardy, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

9/1/86 - 9/30/86

Work Efforts Completed to Date

Pursuant to instructions from Louis Evans of NYSDEC, contained in his letter dated September 9, 1986 to Cheryl Adler of Rosenman Colin Freund Lewis & Cohen, the following activities were conducted during the month of September 1986 on behalf of General Switch by Fred C. Hart Associates, Inc. in compliance with the Administrative Order on Consent issued to General Switch Corporation (GSC) on May 1, 1984.

Section I-B

Verbal results of the September 25th potable well sampling campaign were received on October 16, 1986 and are attached. Written results will be forwarded as soon as they are received. The September 25th trip report is also provided as an attachment.

HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.

M E M O R A N D U M

TO: Francie Barker
FROM: Rebekah Dunn
RE: General Switch Potable Well Sampling
DATE: September 29, 1986

On September 25, 1986, Jim Scerra and I sampled 5 potable wells in the vicinity of General Switch. In addition, one field blank and one trip blank were submitted with the samples. The following provides a list of sample numbers and sampling locations:

<u>Sample Number</u>	<u>Owner</u>	<u>Address</u>
PW-1	Cornelius	331 Highland Ave.
PW-2	Pitt	355 Highland Ave.
PW-3	Van Pelt	31 Electric Ave.
PW-4	Norbury	211 Commonwealth Ave.
PW-5	Runnalls	226 Commonwealth Ave.

Sampling at an additional 5 residences was attempted. The Barry residence and the Eckerson residence were not sampled because they are both hooked up to City water. HART personnel were unable to obtain samples from the Smith or Morse residences or the Jehovah's Witness Church despite numerous visits to each of those locations because no one was present to allow HART access.

All samples will be analyzed for tetrachloroethylene by Princeton Testing Lab, Princeton, New Jersey, within 14 days.

VERBAL RESULTS OF SEPTEMBER 1986
POTABLE WELL SAMPLING

	<u>Tetrachloroethylene (ppb)</u>
PW-1	86
PW-2	n.d.
PW-3	n.d.
PW-4	n.d.
PW-5	n.d.
Trip Blank	n.d.
Field Blank	n.d.

Detection Limit - 2 ug/l

Fred C. Hart Associates, Inc.

336025



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SEP 16 1986

NYS DEC
REGION 3

September 15, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patrica Wells
Project Officer, Walkill Site

Dear Ms. Wells:

Enclosed please find two copies of the Monthly Periodic Progress Report for the period August 1, 1986 through August 31, 1986.

Sincerely,

FRED C. HART ASSOCIATES, INC.

B. Jacot/BJ

Brian Jacot
Manager, Geotechnical Services

BJ:aa (A037d)

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation
✓ Jim Hardy, NYSDEC

Enclosure

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

8/1/86 - 8/31/86

No potable well sampling was conducted for the month of August 1986.

As directed, HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.

336 025

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-0001



Henry G. Williams
Commissioner

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SEP 17 1986

NYS DEC
REGION 3

September 9, 1986

Cheryl R. Adler, Esq.
Rosenman, Colin, Freund,
Lewis & Cohen
575 Madison Avenue
New York, New York 10022

Re: General Switch Corporation

Dear Cheryl:

Attached is a copy of a letter from Commissioner Johnson of the Orange County Department of Health (OCDH) to Patricia Wells of USEPA, requesting the collection of water samples from certain private drinking water wells in the vicinity of the General Switch site.

As you know, USEPA has delegated to this Department the specific requests of the drinking water sampling program, under the EPA Administrative Order issued to General Switch in 1984. We concur with the recommendations of the OCDH.

Accordingly, the wells cited in Commissioner Johnson's letter should be sampled within the next month.

Very truly yours,

Louis A. Evans

Louis A. Evans
Senior Attorney
Division of Environmental
Enforcement

cc: Commissioner Johnson
James Hardy
Mark Moroukian
William Sawyer, Esq.
Patricia Wells



COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

Department of Health

124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

AUG 05 1986

ADMINISTRATIVE UNIT
REGION #3

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

August 1, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, N.Y. 10278

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AUG 5 1986

NYS DEC
REGION 3

Att'n: Patricia Wells,
Project Officer, Wallkill Site

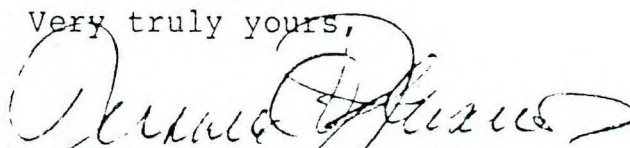
Gentlemen:

This is to request that the wells at the addresses below be included in your next round of sampling:

Morse, Louis W.	190 Watkins Ave.
Barry, Robert	309 Highland Ave.
Norbury, Robert	211 Commonwealth Ave.
Runnalls, Theresa	226 Commonwealth Ave.
Jehovah's Witnesses Church	233 Watkins Ave.
Cornelius, Merle	331 Highland Ave.
Pitt, Marie	355 Highland Ave.
Smith, Donna	291 Highland Ave.
Van Pelt, Robert/Peters	31 Electric Ave.
Eckerson, Hilton J.	299 Highland Ave.

Thank you for your cooperation.

Very truly yours,


Russell C. Johnson, M.D.
Commissioner of Health

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC
A. Reilley, NYSDOH
M. J. Schleifer, OCHD

Fred C. Hart Associates, Inc.

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AUG 21 1986

ADMINISTRATIVE UNIT
REGION #3



NHN
COPY MSOT
OK
P. Keller
A. Klaus
E. Gardiner

August 15, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patrica Wells
Project Officer, Walkill Site

Dear Ms. Wells:

Enclosed please find two copies of the Monthly Periodic Progress report for the period July 1, 1986 through July 31, 1986.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Manager, Geotechnical Services

BJ:aa
(A037d)

cc: ✓ Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation
Jim Hardy, NYSDEC

Enclosure

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AUG 19 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

7/1/86 - 7/31/86

In accordance with Brian Jacot's (HART) conversation with Jim Hardy (NYSDEC), no potable well sampling was conducted for the month of July 1986

As indicated in the Monthly Periodic Progress Report for the Period June 1 through June 30, no work will be done to restore the original residential wells to working order for sampling until the Proposed Order between the General Switch Corporation and NYSDEC is finalized and executed. In the interim, General Switch Corporation investigated the type and extent of work necessary to restore these wells to working order. Two wells were found to be accessible in their present condition.

As directed, HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.

Fred C. Hart Associates, Inc.



33025
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JUL 16 1986

NYS DEC
REGION 3

July 15, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patricia Wells
Project Officer, Walkill Site

Dear Ms. Wells:

Enclosed please find two copies of the Monthly Periodic Progress report
for the period June 1, 1986 through June 30, 1986.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Manager, Geotechnical Services

BJ:aa
(A037d)

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation
✓ Jim Hardy, NYSDEC

Enclosure

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

6/1/86 - 6/30/86

In accordance with Brian Jacot's (HART) conversation with Jim Hardy (NYSDEC) on June 18, 1986, no potable well sampling was conducted for the month of June 1986.

Per a discussion on June 18, 1986 between Cheryl Adler of Rosenman Colin, Freund Lewis & Cohen and Louis Evans of NYSDEC (as confirmed by letter dated July 2, 1986), no work will be done to restore the original residential contaminated wells to working order for sampling until the Proposed Order between the General Switch Corporation and NYSDEC is finalized and executed. In the interim, General Switch Corporation is investigating the type and extent of work necessary to restore these wells to working order.

As directed, HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.

Fred C. Hart Associates, Inc.

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DK

P. Keller

A. Klaus

R. Gardiner

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JUN 30 1986

ADMINISTRATIVE UNIT
REGION #3



June 20, 1986

RECEIVED

JUL 1 1986

NYS DEC
REGION 3

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patricia Wells
Project Officer

Dear Ms. Wells:

In reference to the General Switch Corporation's Monthly Periodic Progress report dated June 13, 1986, we herewith enclose two (2) copies of the written laboratory results of the May 22nd and 23rd potable well sampling campaign, which were received on June 19.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Geotechnical Services Manager

A037d

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Jim Hardy, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures

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JUN 24 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE



princeton testing laboratory

609-452-9050

Princeton Service Center, US Route One, Princeton, NJ 08540

Mailing Address: PO Box 3108, Princeton, NJ 08543

DATE: 6/13/86

TO: [FRED C. HART ASSOCIATES
530 - 5th Avenue
New York, New York 10036

JOB NO. 86G1525

AUTHORIZATION:

L Att: Alexis Alfasso

SAMPLE: water

REPORT OF ANALYSIS

TETRACHLOROETHYLENE

(Units, Micrograms/liter)

<u>Sample ID</u>	<u>MDL</u>	<u>Sample Results</u>
PW #1	2	ND
PW #2	2	ND
PW #3	2	209
PW #4	2	ND
PW #5	2	ND
PW #6	2	3.0
PW #7	2	3.3
PW #8	2	260
PW #9	2	ND
PW #10	2	ND

Received: 5/29/86


NANCY S. DUNN, Manager
Organic Laboratory

NSD/m

Fred C. Hart Associates, Inc.



RECEIVED

JUN 24 1986

NYS DEC
REGION 3

June 20, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patricia Wells
Project Officer

Dear Ms. Wells:

In reference to the General Switch Corporation's Monthly Periodic Progress report dated June 13, 1986, we herewith enclose two (2) copies of the written laboratory results of the May 22nd and 23rd potable well sampling campaign, which were received on June 19.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Geotechnical Services Manager

A037d

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Jim Hardy, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures



princeton testing laboratory

609-452-9050

Princeton Service Center, US Route One, Princeton, NJ 08540

Mailing Address: PO Box 3108, Princeton, NJ 08543

DATE: 6/13/86

JOB NO. 86G1525

TO: [FRED C. HART ASSOCIATES
530 - 5th Avenue
New York, New York 10036

AUTHORIZATION:

L Att: Alexis Alfasso

SAMPLE: water

REPORT OF ANALYSIS

TETRACHLOROETHYLENE

(Units, Micrograms/liter)

<u>Sample ID</u>	<u>MDL</u>	<u>Sample Results</u>
PW #1	2	ND
PW #2	2	ND
PW #3	2	209
PW #4	2	ND
PW #5	2	ND
PW #6	2	3.0
PW #7	2	3.3
PW #8	2	260
PW #9	2	ND
PW #10	2	ND

Received: 5/29/86


NANCY S. DUNN, Manager
Organic Laboratory

NSD/m

Fred C. Hart Associates, Inc.

296 Washington Avenue Extension Albany, N.Y. 12203-1007 (518) 869-6192

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JUN 20 1987

NYS DEC
REGION 3

June 15, 1987

RECEIVED

JUN 22 1987

NYS DEC
REGION 3



Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, New York 10278

Attn: Patricia Wells
Project Office, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the Monthly Periodic Progress Report for the period May 1 through May 31, 1987. As can be seen, no project activities were conducted during this period.

A meeting was held on May 19th in NYSDEC regional office in White Plains, N.Y. As a result of that meeting HART is currently preparing a revised soil remediation plan and developing additional maps for submittal to NYSDEC.

If you have any questions, please feel free to contact me.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian J. Jacot
Geotechnical Services Manager

BJJ:ec

Enclosure

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Jim Hardy, NYSDEC
Commissioner of Health, Orange County Dept. of Health
Walter Stern, President, General Switch Corp.
Cheryl Adler, Rosenman, Colin, Freund, Lewis & Cohen

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JUN 16 1987

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

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P. Keller
A. Kline
R. Gaudin
Pg 3



GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT
05-01-87 - 05-3187

No potable well sampling was conducted for the month of May, 1987.

As directed, HART is awaiting instructions for NYSDEC as to when the next potable well sampling is to be conducted.

Fred C. Hart Associates, Inc.

FILE COPY

NHN

Copy/ msot
CNG

P. Keller

~~A. Klaus~~

E. Gardiner

Stout
well sampling

RECEIVED

JUN 30 1986

NYS DEC
REGION 3

June 13, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

RECEIVED

JUN 24 1986

NYS DEC
REGION 3

ATTN: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

1. Monthly Periodic Progress Report, 5/1/86 - 5/31/86.
2. Trip Report of May 22nd & 23rd Potable Well Sampling Campaign.
3. Verbal results of May 22nd and 23rd Potable Well Sampling.
4. Trip report of the Inspection of Abandoned Domestic Wells in Middletown, New York, May 22nd and 23rd.

The inspection of abandoned wells was done at the request of Jim Hardy of the New York State Department of Environmental Conservation (NYSDEC). We have included a memo outlining these efforts.

The monthly report covers all of our activities for the month of May.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Geotechnical Services Manager

A037d

cc: ✓ Director, Division of Solid & Hazardous Waste, NYSDEC
Jim Hardy, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures

RECEIVED

JUN 18 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

5/1/86 - 5/31/86

Work Efforts Completed to Date

In compliance with instructions from Jim Hardy of NYSDEC, the following activities were conducted during the month of May 1986 on behalf of General Switch by Fred C. Hart Associates, Inc.

Section I-b

Verbal results of the May 22nd and 23rd potable well sampling campaign were received on June 10, 1986 and are attached. Written results will be forwarded as soon as they are received. The May 22nd and 23rd trip report and a report on the inspection of abandoned domestic wells are also provided as attachments

HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.

M E M O R A N D U M

TO: A037d File
FROM: Francie Barker *FB*
RE: General Switch Potable Well Sampling
DATE: June 2, 1986

On May 22 and 23, 1986, Wendy Leonard and I sampled 8 potable wells in the vicinity of General Switch. In addition, one replicate and field blank were collected. The following provides a list of sample numbers and sampling locations:

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW-1	Tessler	287 Highland Avenue
PW-2	Prior	409A Highland Avenue
PW-3	General Switch	Industrial Place
PW-4	Ogden	319 Highland Avenue
PW-5	Heilfurth	233 Commonwealth Avenue
PW-6	Robanna	297 Highland Avenue
PW-7	Replicate (Robanna)	297 Highland Avenue
PW-8	Osbourne	329 Highland Avenue
PW-9	Field Blank	
PW-10	Thacker	230 Commonwealth Avenue

The samples will be analyzed for tetrachloroethylene by Princeton Testing Laboratory, Princeton, New Jersey, using EPA Method 601 within 14 days.

VERBAL RESULTS OF MAY POTABLE WELL SAMPLING

Tetrachloroethylene (ppb)

PW-1	n.d.
PW-2	n.d.
PW-3	209
PW-4	n.d.
PW-5	n.d.
PW-6	3.0
PW-7	3.3
PW-8	260
PW-9	n.d.
PW-10	n.d.

Detection Limit = 2 ug/l

MEMORANDUM

TO: Tom Morahan
FROM: Wendy Leonard
RE: Inspection of Abandoned Domestic Wells in Middletown, New York
DATE: May 28, 1986

Residence: Lobb
327 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the front yard and consists of 6-inch casing with an aboveground riser and screw off cap. Total depth of the well is stated to be 170 feet. It was reported that the plumbing and submersible pump had been removed. Inspection of the well revealed that the electric wires had been cut and the well filled to the surface with rocks.

Conclusions: This well cannot be reused.

Residence: Barry
309 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard. There is an above-ground 6-inch casing with a screw off cover and underlying metal protection plate. The depth of the well is reported to be 203 feet. Mr. Barry

stated that the power and plumbing to the house had been disconnected, and that the submersible pump was left in the well. No switch box was observed at the well. It was not evident if the wires had been cut because the protection plate prevented viewing. PVC piping, encasing the electric wires from below the ground into the well, was still in place. A tap hole in the protective plate allowed a water level measurement. Water is approximately 35.5 feet below the top of the casing.

Conclusions: The well appears to be intact. It would have to be determined whether the pump is operational. A power source would have to be provided, either by reconnecting the old electric lines, if this is possible, or by connecting the pump to a new electric source. The plumbing would also have to be brought aboveground. If the pump works a sample could be collected. If it does not, it would have to be pulled and a new pump utilized for sampling.

Residence: Ruppert
307 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard. There is an above-ground 6-inch casing with a removable cap. Total depth of the well is reported to be 205 feet. Mrs. Ruppert stated that the submersible pump was left in the well, and that the electricity and plumbing to the house were disconnected. A survey of the basement showed city water lines connected to the house plumbing. There was no evidence of the plumbing coming from the well. A closer look at the well showed electricity wires, with inline fuses, at the top of the well casing. No switch box was observed. The shaft to the pump was also evident. A water level measurement could not be obtained due to an obstruction at 16 feet.

Conclusions: The cause of the obstruction would have to be determined. It may be part of the well construction or the partial removal of the pump. The well driller could be contacted. The pump might have to be pulled if the driller was not able to provide useful information. It is not known if the pump is operational. Similar procedures outlined for the Barry well would have to be followed to determine this.

Residence: Robanna
297 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard and consists of 6-inch casing with an aboveground riser and screw off cap. The total depth of the well is reported to be 200 feet. Electric wiring, including a switch box at the well, are intact and functioning. The submersible pump is still in place and is operative. PVC piping has been unearthed and brought to the surface near the well. Depth to water was recorded to be 43.5 feet below the top of the casing. A water sample was collected.

Conclusions: The well and pump are intact and samples can presently be collected.

Residence: Osborne
329 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard and has an aboveground 6-inch casing with removable cap. Total depth of the well is reported to be 200 feet. Electric wires, with a switch on top of the well, are in place and working. The submersible pump is still in the well and is operational. The plumbing has been disconnected in the basement. A long length of PVC pipe can be pulled outside through a window to collect a sample. A sample was collected in this manner.

Conclusions: The well and pump are functional and samples can be collected with the current plumbing. However, it might be preferable if the piping was unearthed and brought to the surface outside of the house.

Residence: General Switch
Industrial Place

Inspection Date: May 22, 1986

Observations: The well is located behind the building alongside the loading dock. There is an aboveground six-inch casing with a removable cap. Total depth of the well is reported to be 480 feet. The submersible pump, plumbing and electricity are all operable. The pump switch is located inside the building. The PVC piping has been brought to the surface to allow for outside sample collection. A water sample was collected.

Conclusions: The well and pump are intact and samples can presently be collected.

Residence: Parella
320 Highland Avenue

Inspection Date: May 23, 1986

(0027n-4)

Observations: A jet pump is located in a crawl space underneath and in back of the house. The pump is partially dismantled. Electric lines are still connected but are of questionable safety. The plumbing has been disconnected. A map shows the well to be located on the east side of the house. It is reported to be a 6-inch cased well with the top of the casing below ground. Reported depth is 100 feet. The integrity of the well could not be verified because there is no aboveground access.

Conclusions: The exact well location would have to be determined . The casing would have to be accessed by digging down several feet. The well integrity would then need to be checked. If it is found to be satisfactory, a casing extension can be added to reach aboveground. A pump and power supply would be required to sample the well if it is found to be intact.

Residence: Pomeroy (formerly Lewis residence)
313 Highland Avenue

Inspection Date: May 23, 1986

Observations: The well is located in the back yard and is a shallow dug well. It is covered with a 2-inch rock slab and surrounded by a cement pad. The casing diameter is 2 feet. It was reported that the plumbing and electricity were disconnected. Piping, extending toward the house, was visible in the well. No electric lines were observed. The water level was 2.5 feet below ground. A total depth of 10 feet was measured.

Conclusions: This is a shallow well and is probably not of use for the contamination assessment. However, a sample could be collected with a pump and power supply.

Residence: Liska
304 Highland Avenue

Inspection Date: May 23, 1986

Observations: There is no evidence of the well from the ground surface. Mr. Liska stated that the top of the well casing was several feet below ground and that a jet pump and plumbing had been located underground. When the city water lines were installed, he removed and sold the pump and disconnected the plumbing. The top of the well casing was shorn off during the excavation and some dirt was stated to have fallen into the well. The contractor put a rock on top of the casing to cover it. Other than this, the well should be functionable. It is located on the west side of the house several feet out from the building near the bird bath. It is reported to be a 6-inch cased well, 137 feet deep.

Conclusions: The well would have to be unearthed and the damage assessed. If still usable, an extension would have to be installed to reach aboveground. A pump and power supply would be necessary in order to sample.

Residence: Stout
316 Highland Avenue

The Stouts denied access to the well until approval was provided by their lawyer, Michael Gurda. Jim Hardy, NYSDEC, attempted to contact him. Mr Gurda was out of town and could not be reached prior to the time of inspection.

Conclusions: Approval to inspect the well must be obtained. The well would then have to be inspected and conclusions derived concerning its usefulness for sample collection.

Fred C. Hart Associates, Inc.



June 13, 1986

RECEIVED
JUN 16 1986
NYS DEC
REGION 3

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

ATTN: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

1. Monthly Periodic Progress Report, 5/1/86 - 5/31/86.
2. Trip Report of May 22nd & 23rd Potable Well Sampling Campaign.
3. Verbal results of May 22nd and 23rd Potable Well Sampling.
4. Trip report of the Inspection of Abandoned Domestic Wells in Middletown, New York, May 22nd and 23rd.

The inspection of abandoned wells was done at the request of Jim Hardy of the New York State Department of Environmental Conservation (NYSDEC). We have included a memo outlining these efforts.

The monthly report covers all of our activities for the month of May.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot / TM

Brian Jacot
Geotechnical Services Manager

A037d

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
✓ Jim Hardy, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation
Enclosures

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

5/1/86 - 5/31/86

Work Efforts Completed to Date

In compliance with instructions from Jim Hardy of NYSDEC, the following activities were conducted during the month of May 1986 on behalf of General Switch by Fred C. Hart Associates, Inc.

Section I-b

Verbal results of the May 22nd and 23rd potable well sampling campaign were received on June 10, 1986 and are attached. Written results will be forwarded as soon as they are received. The May 22nd and 23rd trip report and a report on the inspection of abandoned domestic wells are also provided as attachments

HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.

M E M O R A N D U M

TO: A037d File
FROM: Francie Barker *FB*
RE: General Switch Potable Well Sampling
DATE: June 2, 1986

On May 22 and 23, 1986, Wendy Leonard and I sampled 8 potable wells in the vicinity of General Switch. In addition, one replicate and field blank were collected. The following provides a list of sample numbers and sampling locations:

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW-1	Tessler	287 Highland Avenue
PW-2	Prior	409A Highland Avenue
PW-3	General Switch	Industrial Place
PW-4	Ogden	319 Highland Avenue
PW-5	Heilfurth	233 Commonwealth Avenue
PW-6	Robanna	297 Highland Avenue
PW-7	Replicate (Robanna)	297 Highland Avenue
PW-8	Osbourne	329 Highland Avenue
PW-9	Field Blank	
PW-10	Thacker	230 Commonwealth Avenue

The samples will be analyzed for tetrachloroethylene by Princeton Testing Laboratory, Princeton, New Jersey, using EPA Method 601 within 14 days.

VERBAL RESULTS OF MAY POTABLE WELL SAMPLING

Tetrachloroethylene (ppb)

PW-1	n.d.
PW-2	n.d.
PW-3	209
PW-4	n.d.
PW-5	n.d.
PW-6	3.0
PW-7	3.3
PW-8	260
PW-9	n.d.
PW-10	n.d.

Detection Limit = 2 ug/l

MEMORANDUM

TO: Tom Morahan
FROM: Wendy Leonard
RE: Inspection of Abandoned Domestic Wells in Middletown, New York
DATE: May 28, 1986

Residence: Lobb
327 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the front yard and consists of 6-inch casing with an aboveground riser and screw off cap. Total depth of the well is stated to be 170 feet. It was reported that the plumbing and submersible pump had been removed. Inspection of the well revealed that the electric wires had been cut and the well filled to the surface with rocks.

Conclusions: This well cannot be reused.

Residence: Barry
309 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard. There is an above-ground 6-inch casing with a screw off cover and underlying metal protection plate. The depth of the well is reported to be 203 feet. Mr. Barry

stated that the power and plumbing to the house had been disconnected, and that the submersible pump was left in the well. No switch box was observed at the well. It was not evident if the wires had been cut because the protection plate prevented viewing. PVC piping, encasing the electric wires from below the ground into the well, was still in place. A tap hole in the protective plate allowed a water level measurement. Water is approximately 35.5 feet below the top of the casing.

Conclusions: The well appears to be intact. It would have to be determined whether the pump is operational. A power source would have to be provided, either by reconnecting the old electric lines, if this is possible, or by connecting the pump to a new electric source. The plumbing would also have to be brought aboveground. If the pump works a sample could be collected. If it does not, it would have to be pulled and a new pump utilized for sampling.

Residence: Ruppert
307 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard. There is an above-ground 6-inch casing with a removable cap. Total depth of the well is reported to be 205 feet. Mrs. Ruppert stated that the submersible pump was left in the well, and that the electricity and plumbing to the house were disconnected. A survey of the basement showed city water lines connected to the house plumbing. There was no evidence of the plumbing coming from the well. A closer look at the well showed electricity wires, with inline fuses, at the top of the well casing. No switch box was observed. The shaft to the pump was also evident. A water level measurement could not be obtained due to an obstruction at 16 feet.

Conclusions: The cause of the obstruction would have to be determined. It may be part of the well construction or the partial removal of the pump. The well driller could be contacted. The pump might have to be pulled if the driller was not able to provide useful information. It is not known if the pump is operational. Similar procedures outlined for the Barry well would have to be followed to determine this.

Residence: Robanna
297 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard and consists of 6-inch casing with an aboveground riser and screw off cap. The total depth of the well is reported to be 200 feet. Electric wiring, including a switch box at the well, are intact and functioning. The submersible pump is still in place and is operative. PVC piping has been unearthed and brought to the surface near the well. Depth to water was recorded to be 43.5 feet below the top of the casing. A water sample was collected.

Conclusions: The well and pump are intact and samples can presently be collected.

Residence: Osborne
329 Highland Avenue

Inspection Date: May 22, 1986

Observations: The well is located in the back yard and has an aboveground 6-inch casing with removable cap. Total depth of the well is reported to be 200 feet. Electric wires, with a switch on top of the well, are in place and working. The submersible pump is still in the well and is operational. The plumbing has been disconnected in the basement. A long length of PVC pipe can be pulled outside through a window to collect a sample. A sample was collected in this manner.

Conclusions: The well and pump are functional and samples can be collected with the current plumbing. However, it might be preferable if the piping was unearthed and brought to the surface outside of the house.

Residence: General Switch
Industrial Place

Inspection Date: May 22, 1986

Observations: The well is located behind the building alongside the loading dock. There is an aboveground six-inch casing with a removable cap. Total depth of the well is reported to be 480 feet. The submersible pump, plumbing and electricity are all operable. The pump switch is located inside the building. The PVC piping has been brought to the surface to allow for outside sample collection. A water sample was collected.

Conclusions: The well and pump are intact and samples can presently be collected.

Residence: Parella
320 Highland Avenue

Inspection Date: May 23, 1986

(0027n-4)

Observations: A jet pump is located in a crawl space underneath and in back of the house. The pump is partially dismantled. Electric lines are still connected but are of questionable safety. The plumbing has been disconnected. A map shows the well to be located on the east side of the house. It is reported to be a 6-inch cased well with the top of the casing below ground. Reported depth is 100 feet. The integrity of the well could not be verified because there is no aboveground access.

Conclusions: The exact well location would have to be determined . The casing would have to be accessed by digging down several feet. The well integrity would then need to be checked. If it is found to be satisfactory, a casing extension can be added to reach aboveground. A pump and power supply would be required to sample the well if it is found to be intact.

Residence: Pomeroy (formerly Lewis residence)
313 Highland Avenue

Inspection Date: May 23, 1986

Observations: The well is located in the back yard and is a shallow dug well. It is covered with a 2-inch rock slab and surrounded by a cement pad. The casing diameter is 2 feet. It was reported that the plumbing and electricity were disconnected. Piping, extending toward the house, was visible in the well. No electric lines were observed. The water level was 2.5 feet below ground. A total depth of 10 feet was measured.

Conclusions: This is a shallow well and is probably not of use for the contamination assessment. However, a sample could be collected with a pump and power supply.

Residence: Liska
304 Highland Avenue

Inspection Date: May 23, 1986

Observations: There is no evidence of the well from the ground surface. Mr. Liska stated that the top of the well casing was several feet below ground and that a jet pump and plumbing had been located underground. When the city water lines were installed, he removed and sold the pump and disconnected the plumbing. The top of the well casing was shorn off during the excavation and some dirt was stated to have fallen into the well. The contractor put a rock on top of the casing to cover it. Other than this, the well should be functionable. It is located on the west side of the house several feet out from the building near the bird bath. It is reported to be a 6-inch cased well, 137 feet deep.

Conclusions: The well would have to be unearthed and the damage assessed. If still usable, an extension would have to be installed to reach aboveground. A pump and power supply would be necessary in order to sample.

Residence: Stout
316 Highland Avenue

The Stouts denied access to the well until approval was provided by their lawyer, Michael Gurda. Jim Hardy, NYSDEC, attempted to contact him. Mr Gurda was out of town and could not be reached prior to the time of inspection.

Conclusions: Approval to inspect the well must be obtained. The well would then have to be inspected and conclusions derived concerning its usefulness for sample collection.

Mobile Lab

General Switch

Sampling 4 days \$300/day
\$1200

605 samples

\$15,375

TOTAL

\$16,575

for 3 months

Above info supplied
to Nathan Freese by John Nankins
Group in beginning 1986.
Judy



RECEIVED

MAY 27 1986

ADMINISTRATIVE UNIT
REGION #3

May 15, 1986

Reg. 3

RECEIVED

MAY 27 1986

NYS DEC
REGION 3

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

Attn: Patricia Wells
Project Officer, Walkill Site

Dear Ms. Wells:

Enclosed please find the Monthly Periodic Progress Report for the period April 1, 1986 through April 30, 1986. On April 22, 1986, a site visit was conducted at the General Switch facility with personnel from New York State Department of Environmental Conservation (NYSDEC), U.S. Environmental Protection Agency and HART in attendance. At this meeting, Jim Hardy (NYSDEC) stated that no potable well sampling was required for the month of April 1986. This was reconfirmed by your letter of May 13th to Cheryl Adler of Rosenman, Colin, Freund, Lewis and Cohen.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot

Brian Jacot
Manager, Geotechnical Services

BJ:aa
(A037d)

cc: ✓ Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation.

Enclosure

RECEIVED

MAY 20 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

4/1/86 - 4/30/86

In accordance with Jim Hardy's verbal instructions on April 22, 1986 and reconfirmed with your letter dated May 13, 1986 to Cheryl Adler of Rosenman, Colin, Freund, Lewis and Cohen, no potable well sampling was conducted for the month of April 1986.

As per your letter of April 16, 1986 to Cheryl Adler, HART is awaiting instructions from NYSDEC as to when the next potable well sampling campaign is to be conducted.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278

30 APR 1986

RECEIVED
MAY 2 1986

NYS DEC
REGION 3

Mr. James Hardy
New York State Department
of Environmental Conservation
21 South Putt Corners
New Paltz, New York 12561

Dear Mr. Hardy:

Pursuant to our General Switch site visit and discussions on April 22, 1986, I have provided below USEPA's comments on Fred C. Hart's June, 1985 Recommended Pumping Plan and the April 10, 1986 Soil Investigation Report.

Pumping Plan

As stated in my March 13, 1986 letter to you, (attached) RCRA requires that ground water be cleaned up to background levels, in this case, zero parts per billion (ppb) of tetrachloroethylene (PCE). Also, the additional extraction well to be placed south of the General Switch building must be located to define any contamination which may lie to the south of the building. If this well is not contaminated, using it as an extraction well is probably not necessary.

It should be clarified that monthly potable well sampling, as requested by you, will continue during the pumping program. It would be interesting to know if the remaining residents in the area who are still on well water are or will soon be hooked up to the municipal system.

Soil Excavation

EPA believes that soil in the area of the three PCE "hot spots" should be excavated, disposed, and replaced with clean fill. These areas are the following:

1. West of the General Switch building-Test Pit A
2. Southeast corner of the building-Test Pit D
3. East of the building-Test Pit 6.

The level to which the soil should be excavated should be agreed upon beforehand.

I have also attached Dr. Johnson's well sampling request. You may want to coordinate with him on your monthly well requests to General Switch.

Please contact me if you have any questions on the above.

Sincerely,

Patricia L. Wells

Patricia L. Wells
Environmental Engineer

cc: Mark Moroukian, NYDEC
Brian Davidson, NYDEC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

13 MAR 1986

Mr. James Hardy
New York State Department of
Environmental Conservation
21 South Putt Corners
New Paltz, NY 12561

Dear Mr. Hardy:

Below are USEPA's comments on the Proposed General Switch
Remediation Plan.

EPA's main concern with the proposal is the level to which the groundwater is to be cleaned. The Resource Conservation and Recovery Act (40 CFR §264.94(a)(1)) requires groundwater to be cleaned up to background levels, in this case, zero (0), unless an Alternate Concentration Limit (ACL) is established by the Regional Administrator. The ACL must be a level which "will not pose a substantial present or potential hazard to human health or the environment". Additionally, the EPA issued a Recommended Maximum Concentration Level (RMCL) of zero for tetrachloroethylene in the Nov. 13, 1985 Federal Register pg. 47025 (see attachment). Therefore, General Switch's proposal to clean the aquifer to a level of 50 ppb is unacceptable. It should propose to clean the aquifer to a level of 0 ppb for tetrachloroethylene or any other standard for tetrachloroethylene subsequently adopted by the New York State Department of Health.

The proposal must also indicate that because the extent of groundwater contamination to the south has not been determined, the proposed extraction well to be drilled south of the General Switch property may not be the only additional well required. If this well indicates contamination to the south of the property, additional wells will be necessary to delineate and monitor the contamination in this area. It may also be necessary to include these wells in the pumping plan. There is also no rationale as to the specific placement of this well.

Please call me if you have any questions on the above discussion. Otherwise, I will see you at the March 14, 1986 meeting in Albany.

Sincerely yours,

Patricia Wells, Environmental Engineer
Site Investigation & Compliance Branch

CONCURRENCES

SYMBOL							
SURNAME	<i>PW 3/13/86</i>						
DATE							



COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

Department of Health

124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

April 21, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, N.Y. 10278

Att'n: Patricia Wells
Project Officer, Wallkill Site

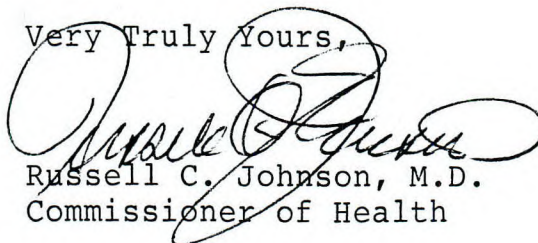
Gentlemen:

This is to request that the wells at the addresses below be included in your next round of sampling:

287 Highland Avenue	Tessler
295 Highland Avenue	Janiak
304 Highland Avenue	Liska
320 Highland Avenue	Perella
327 Highland Avenue	Lobb
409A Highland Avenue	Pryor
319 Highland Avenue	Ogden/Steven
230 Commonwealth	Thacker
233 Commonwealth	Heilfurth
233 Watkins Ave.	Jehova's Witnesses

Our next request will be in July. Thank you for your cooperation.

Very Truly Yours,



Russell C. Johnson, M.D.
Commissioner of Health

RCJ/sb

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC
A. Reilley, NYSDOH
M. J. Schleifer, OCHD



COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

Department of Health

124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

April 21, 1986

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APR 24 1986

ADMINISTRATIVE UNIT
REGION #3

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APR 24 1986

NYS DEC
REGION 3

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, N.Y. 10278

Att'n: Patricia Wells
Project Officer, Wallkill Site

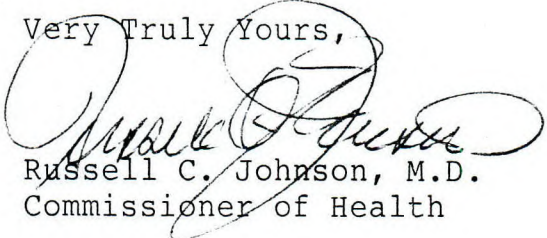
Gentlemen:

This is to request that the wells at the addresses below be included in your next round of sampling:

287 Highland Avenue	Tessler
295 Highland Avenue	Janiak
304 Highland Avenue	Liska
320 Highland Avenue	Perella
327 Highland Avenue	Lobb
409A Highland Avenue	Pryor
319 Highland Avenue	Ogden/Steven
230 Commonwealth	Thacker
233 Commonwealth	Heilfurth
233 Watkins Ave.	Jehova's Witnesses

Our next request will be in July. Thank you for your cooperation.

Very Truly Yours,


Russell C. Johnson, M.D.
Commissioner of Health

RCJ/sb

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC ✓
A. Reilley, NYSDOH
M. J. Schleifer, OCHD

APR 16 1986

RECEIVED

APR 18 1986

NYS DEC
REGION 3

Ms. Cheryl Adler
Rosenman Colin Freund Lewis & Cohen
575 Madison Ave.
New York, New York 10022

Re: General Switch Site
Monthly Well Sampling

Dear Ms. Adler:

This is to advise you that for purposes of Section I.B. of the Administrative Order on Consent Index No. II CERCLA-40205, EPA will, in the future, consider General Switch to be in compliance with the sampling provisions of the Order if General Switch or its contractor samples wells as instructed by the New York State Department of Environmental Conservation (DEC). Henceforth, Fred C. Hart Associates will receive a list of locations to be sampled from Mr. James Hardy of the DEC.

This is part of our continuing effort to transfer the lead for cleanup of this site to the state.

Please contact me at 264-1216 if you have any questions on the above.

Sincerely,

Patricia L. Wells
Environmental Engineer

cc: Jim Hardy, NYSDEC ✓
Brian Jacot, Fred C. Hart
William Sawyer, EPA-ORC

Fred C. Hart Associates, Inc.

FILE COPY



April 15, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

ATTN: Patricia Wells
Project Officer, Walkill Site

Dear Ms. Wells:

Enclosed please find the Monthly Periodic Progress Report for the period March 1, 1986 through March 31, 1986. In addition to the activities contained in the monthly report, on March 14, 1986, HART met with NYSDEC representatives in Albany, New York to discuss the plan for remediation at the General Switch site.

Sincerely,

FRED C. HART ASSOCIATES, INC.

B. Jacot (@)

Brian Jacot
Manager, Geotechnical Services

BJ:aa
(A037d)

cc: ✓ Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures

336 025
NHN/MSOT
COPY DK
CAG
P. Keller
A. Klaus
R. Gardiner } Reg. 3

RECEIVED

APR 23 1986

NYS DEC
REGION 3

RECEIVED

APR 17 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE



GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

3/1/86 - 3/31/86

In accordance with your letter dated March 21, 1986 to Cheryl Adler of Rosenman, Colin, Freund, Lewis & Cohen, no potable well sampling was conducted for the month of March, 1986.

The next potable well sampling campaign will be conducted during the week of April 21-25, 1986.

10 APR 1986

356 025
RECEIVED

APR 14 1986

NYS DEC
REGION 3

Ms. Cheryl Adler
Rosenman Colin Freund Lewis & Cohen
575 Madison Avenue
New York, N.Y. 10022

Dear Ms. Adler:

Below please find USEPA's and New York State DEC's well
sampling locations for the month of April, 1986 sampling.

<u>Resident</u>	<u>Address</u>
1. General Switch	Industrial Place
2. Robanna	297 Highland Avenue
3. Liska	304 Highland Avenue
4. Ruppert	307 Highland Avenue
5. Barry	309 Highland Avenue
6. Lewis	313 Highland Avenue
7. Stout	316 Highland Avenue
8. Parella	320 Highland Avenue
9. Lobb	327 Highland Avenue
10. Osborne	329 Highland Avenue

Thank you for your cooperation in this matter.

Sincerely,

Patricia L. Wells
Environmental Engineer

cc. James Hardy, NYSDEC

Fred C. Hart Associates, Inc.

RECEIVED

APR 02 1986

NYS DEC
REGION 3



April 1, 1986

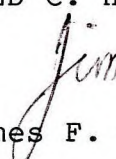
Mr. James Hardy
NYSDEC
21 Southputt Corners Road
New Paltz, New York 12561

Dear Jim:

Enclosed please find prints of the maps we discussed during our meeting on March 14, 1986. Copies are also being sent to Mark Moroukian in Albany.

Sincerely,

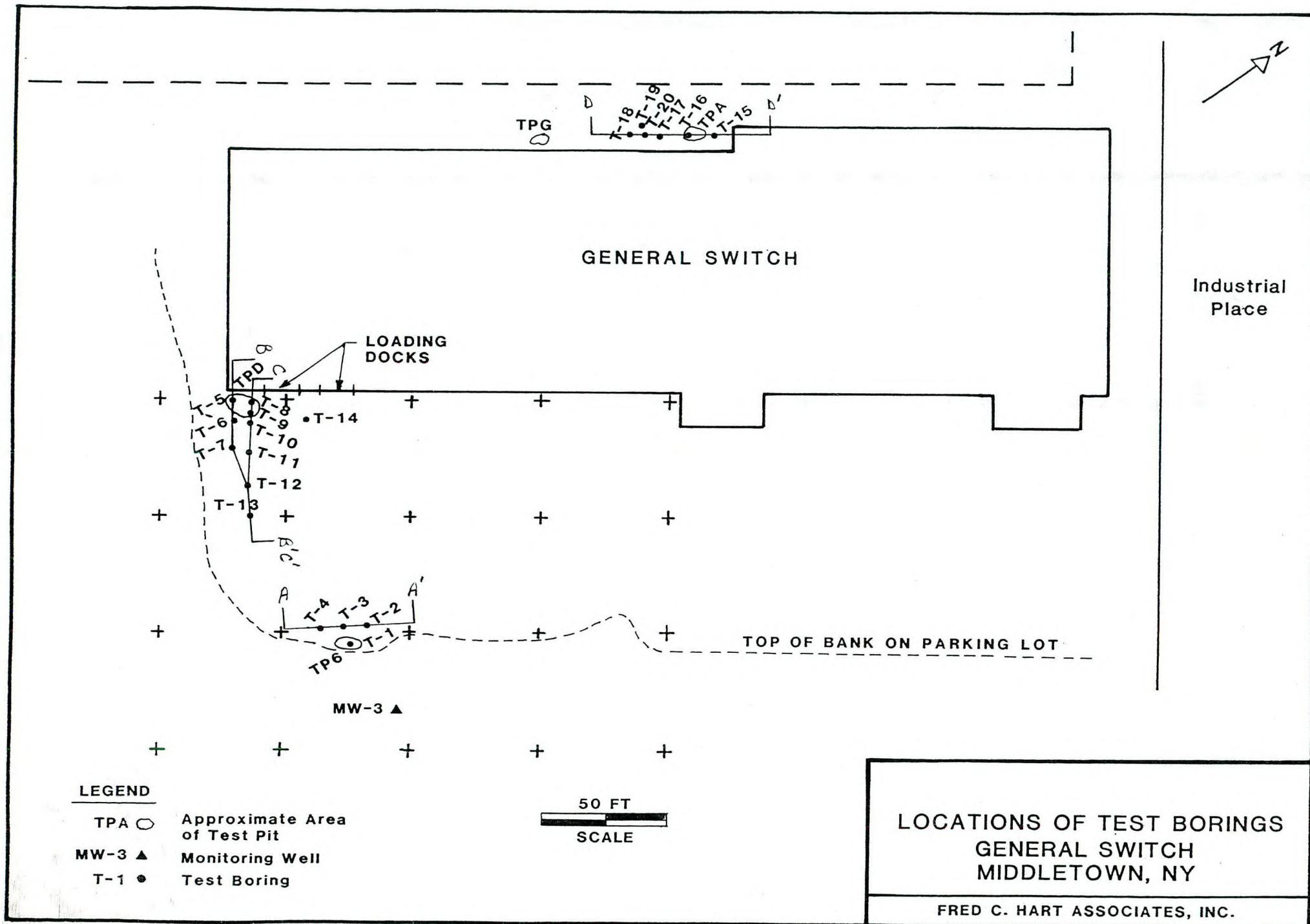
FRED C. HART ASSOCIATES, INC.


James F. Blasting

Enclosure

cc: B. Jacot
T. Morahan

JFB:ec



BY JACOT DATE 4-18-86

FRED C. HART ASSOCIATES, INC.

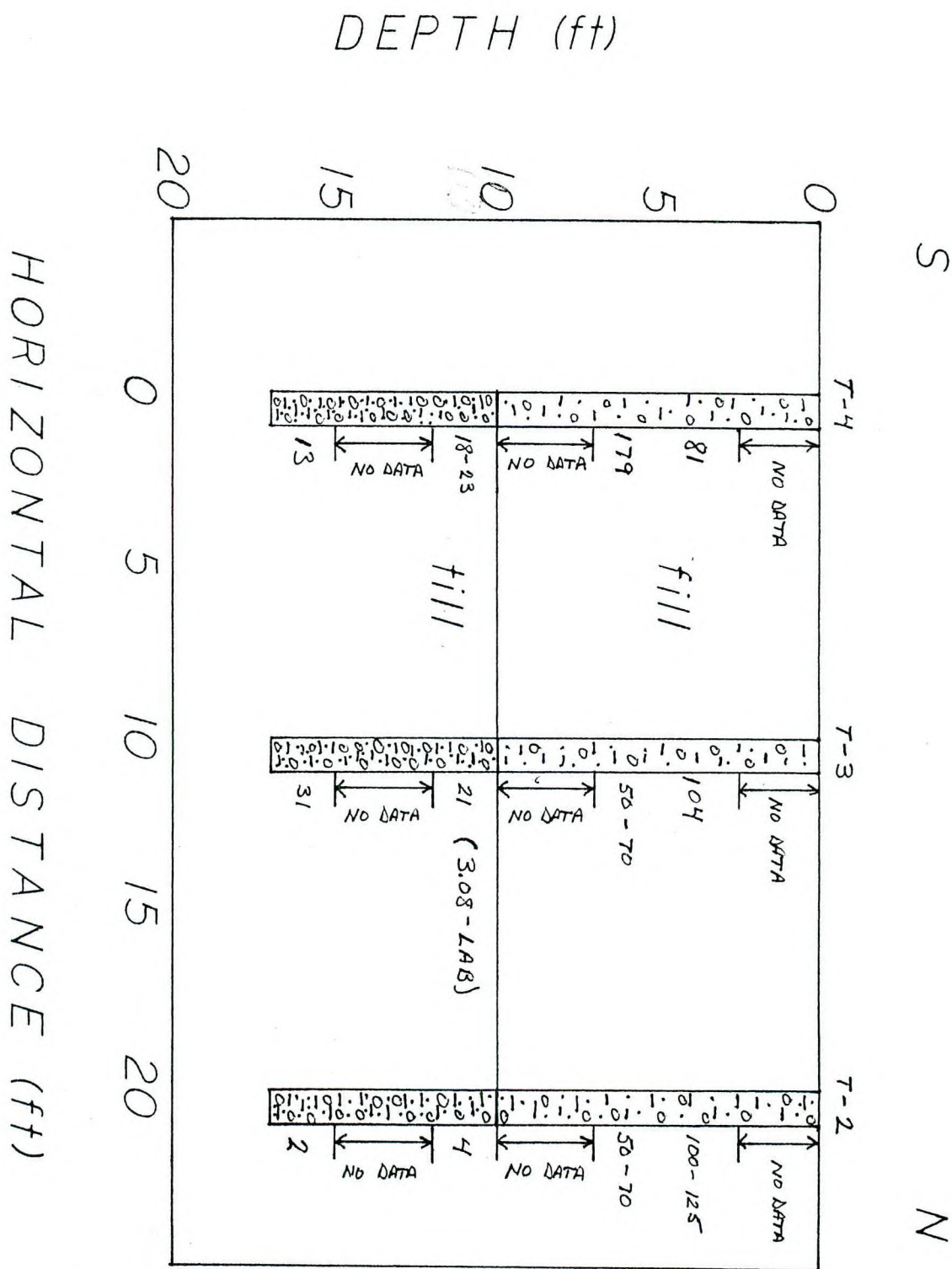
SHEET

1 OF 4

PAGE

CHK'D _____ DATE _____

SUBJECT GEOLOGIC CROSS-SECTION OF AREA JOB NO. A037
SURROUNDING TEST PIT 6 AND PCF ANALYTICAL
DATA (PPM) A-A'



BY JACOT DATE 4-10-86

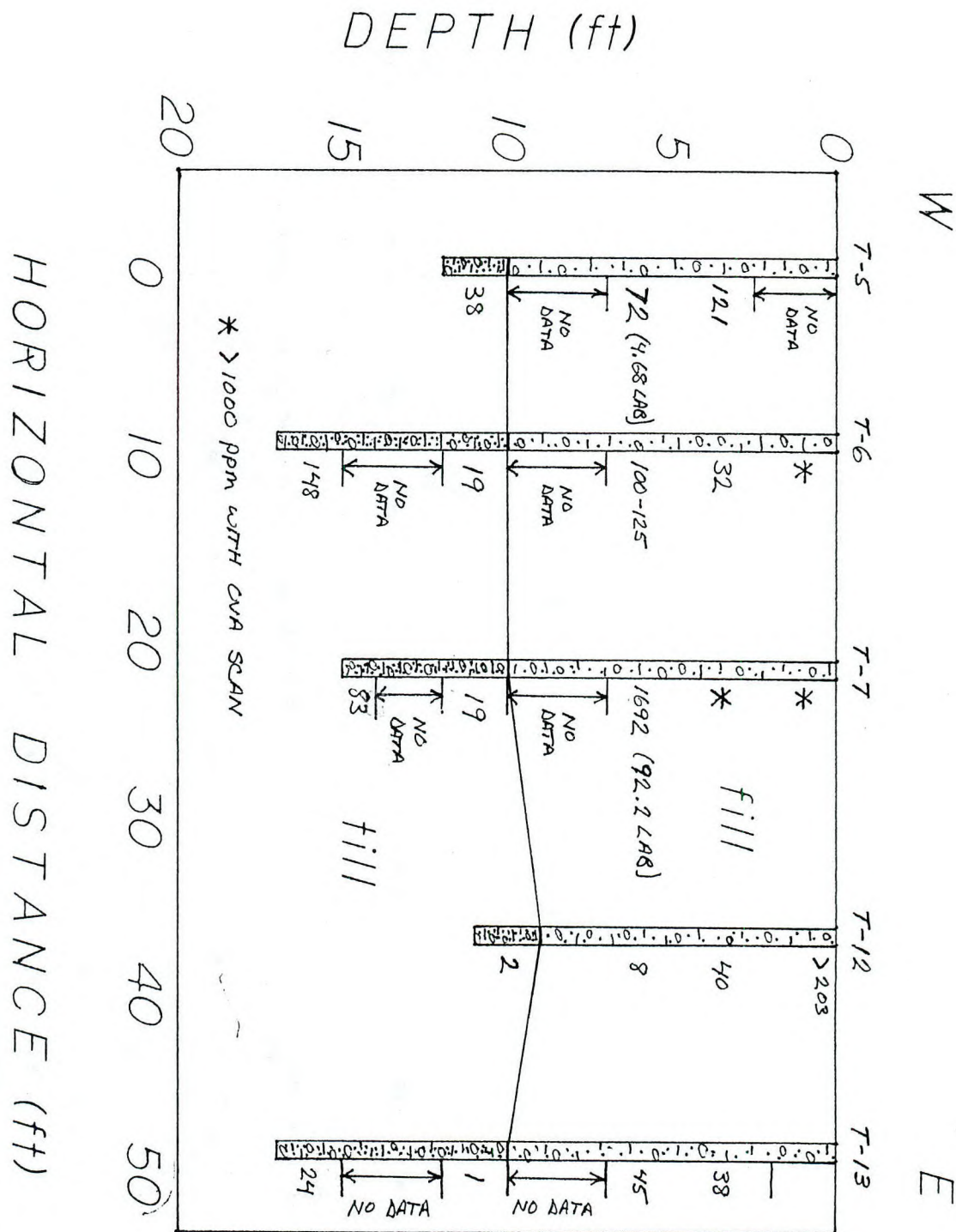
FRED C. HART ASSOCIATES, INC.

SHEET

2 OF 4

PAGE

SUBJECT GEOLOGIC CROSS-SECTION OF AREA JOB NO. B037
SURROUNDING TEST PIT D AND PCE ANALYTICAL
DATA (PPM) B-B'



BY JACOT DATE 7-18-86

FRED C. HART ASSOCIATES, INC.

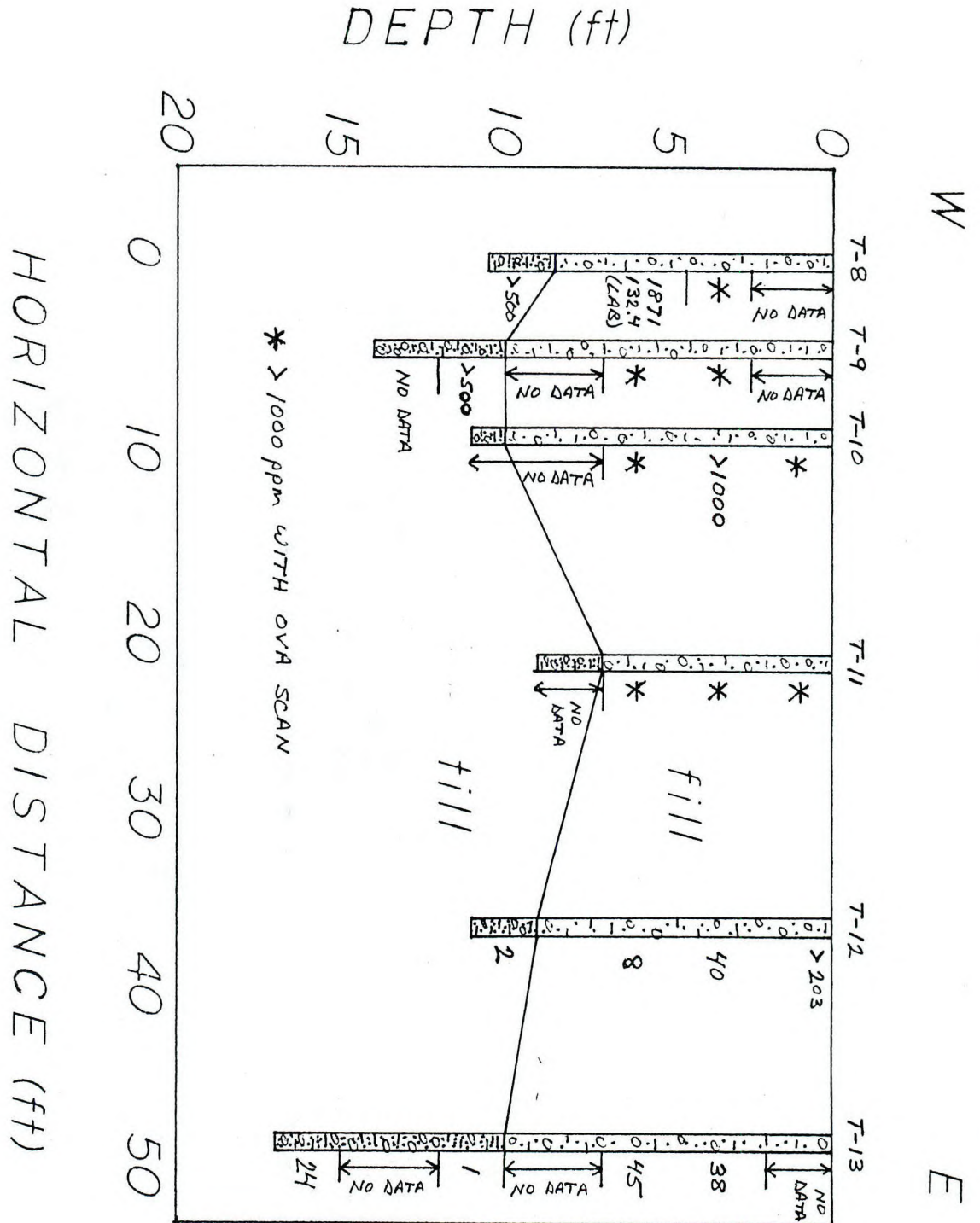
SHEET

3 OF 4

PAGE

CHK'D DATE

SUBJECT GEOLOGIC CROSS-SECTION OF AREA SURROUNDING TEST PIT D AND PCE ANALYTICAL DATA (PPM) C-C'



BY IACOT DATE 4-10-86

FRED C. HART ASSOCIATES, INC.

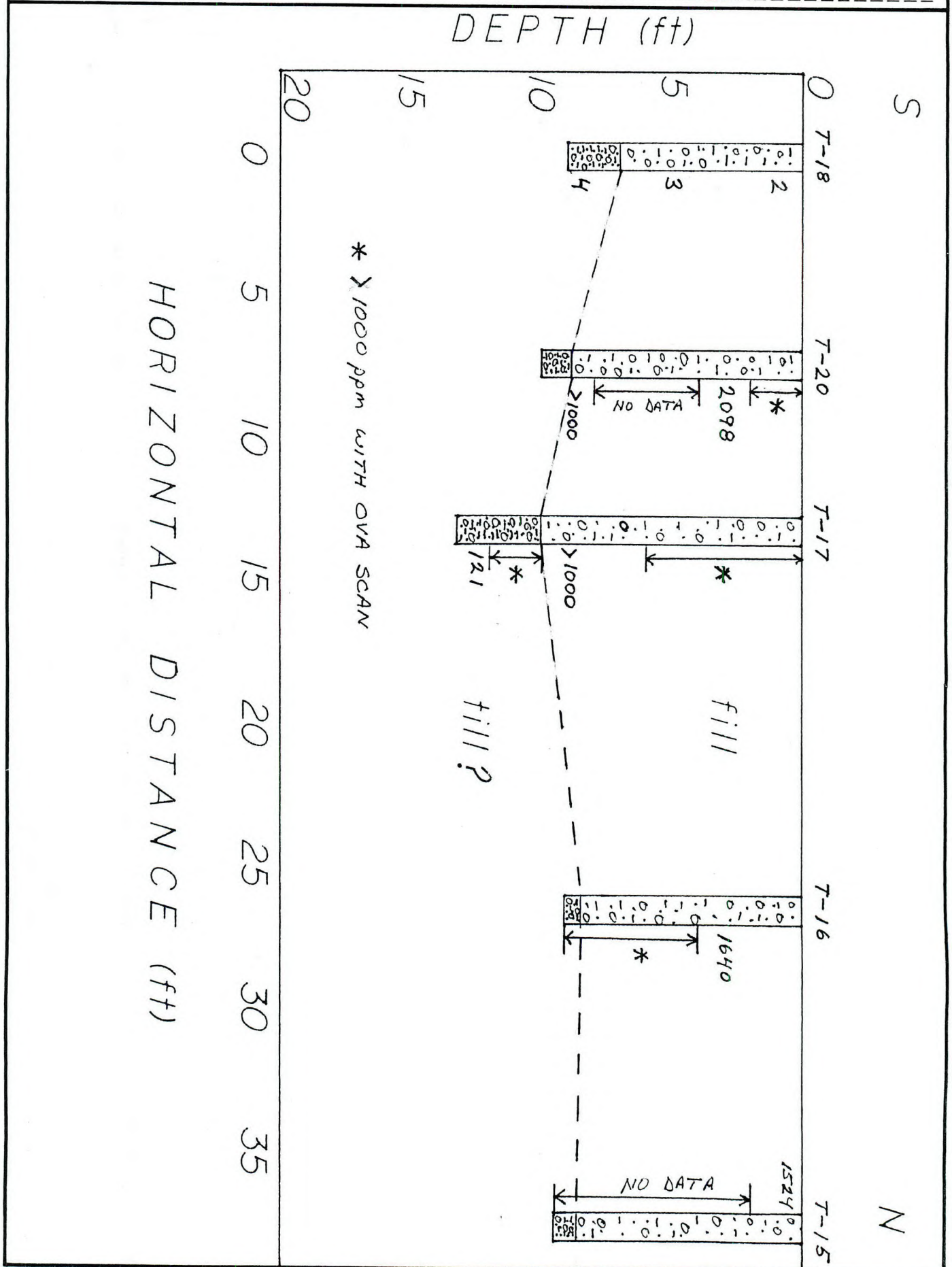
SHEET

4 OF 4

PAGE

CHK'D _____ DATE _____

SUBJECT GEOLOGIC CROSS-SECTION OF AREA JOB NO. A037
SURROUNDING TEST PIT A AND PCE ANALYTICAL
DATA (PPM). D-D'



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REGION 3
DIVISION OF SOLID AND HAZARDOUS WASTE
21 SOUTH PUTT CORNERS ROAD
NEW PALTZ, NY 12561
914-255-5453

336025

SPEED MEMO

TO: Pat Wells - EPA

DATE: 3/27/86

Brian Gaert - F.C. HAAT

Mark Morichian - Central Office

SUBJECT: ~~HAAT~~ Totin. 2/27/86

FROM: Jim Hardy

swatkins north-6
Switzer site

Enclosed are orange County's compilation
of well sampling data.

336025
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MAR 26 1986

NYS DEC
REGION 3

21 MAR 1986

Cheryl R. Adler
Rosenman Colin Freund Lewis & Cohen
575 Madison Avenue
New York, New York 10022

Dear Ms. Adler:

I am writing in response to your March 17, 1986 letter concerning the monthly potable well sampling at the General Switch site. During our March 12, 1986 telephone conversation referred to in your March 17 letter, I stated that because EPA is working towards the transfer of this site to a state lead, (assuming all goes smoothly), EPA would discuss the sampling issue with the New York Department of Conservation (NYDEC) and get back to you. I did not, in any way, say that General Switch has fulfilled the requirements of Section I.B. of the Administrative Order on Consent, signed on May 1, 1984.

Subsequently, I discussed this matter with Jim Hardy of NYDEC and Mr. Hardy feels strongly that continued monitoring is necessary.

This letter is to inform you that there will be no potable well sampling required for the month of March, 1986. However, NYDEC will provide a list of wells to be sampled in April, and will be in contact for later sampling.

Please contact me if you have any questions on the above.

Sincerely,

Patricia L. Wells, Environmental Engineer
Site Investigation and Compliance Branch

cc. William Sawyer, EPA-ORC
James Hardy, NYDEC
Louis Evans, NYDEC

21 MAR 1986

236 025
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MAR 27 1986
NYS DEC
REGION 3

Cheryl R. Adler
Rosenman Colin Freund Lewis & Cohen
575 Madison Avenue
New York, New York 10022

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Please contact me if you have any questions on the above.

Sincerely,

Patricia L. Wells, Environmental Engineer
Site Investigation and Compliance Branch

cc. William Sawyer, EPA-ORC
James Hardy, NYDEC ✓
Louis Evans, NYDEC



COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

Department of Health

124 MAIN STREET

GOSHEN, NEW YORK 10924 TEL: 914-294-7961

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

March 21, 1986

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MAR 24 1986

NYS DEC
REGION 3

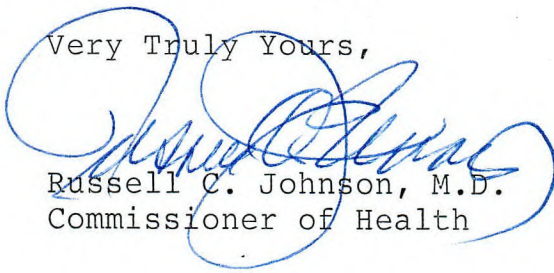
Mr. James Hardy,
Assist. Stationery Eng.
New York State Department of
Environmental Conservation
Region 111
21 South Putt Corners Road
New Paltz, N.Y. 12561

Dear Mr. Hardy:

As per your request to Mr. Schleifer, enclosed
are xerox copies of all the Tetrachloroethylene
sampling results, by residence, on Washington Heights
to date.

We trust this will be of assistance to you.

Very Truly Yours,


Russell C. Johnson, M.D.
Commissioner of Health

RCJ/sb
cc: M. J. Schleifer

Fred C. Hart Associates, Inc.



RECEIVED

MAR 19 1986

March 18, 1986

NYS DEC
REGION 3

Mr. James Hardy
NYDEC
21 Southputt Corners Road
New Paltz, NY 12561

Dear Jim:

Enclosed please find the information you requested during our meeting on March 14, 1986. The Average Monthly PCE Concentration graph is complete for all wells in which PCE was detected. Although other wells were tested, at no time did samples analyzed from these wells contain PCE above detection limits.

Feel free to call me if you have any questions or if additional information is required.

Sincerely,

FRED C. HART ASSOCIATES, INC.

James F. Blasting
Hydrogeologist

JFB/rl
Enclosure

cc: B. Jacot
T. Morahan

AVERAGE MONTHLY PCE CONCENTRATIONS (in ppb) IN VICINITY OF GENERAL SWITCH
HART ASSOCIATES 2/24/86

PROPERTY	10/83	11/83	12/83	1/84	2/84	3/84	4/84	5/84	6/84	7/84	8/84	9/84	10/84	11/84	12/84	1/85	2/85	3/85	4/85	5/85	6/85	7/85	8/85	9/85	10/85	11/85	12/85	1/86
Janiak	ND	17	ND	ND			ND			ND			ND		ND				ND									
Robanna			37	61	16	5				4		14										2.4						
Liska	ND	ND	ND	ND	ND		12			130		850																
Ruppert		7000			10538					16000												ND						
Barry		100	730		39	118				240																		
Lewis			ND	ND	11	27	30			110		120																
Stout		3500			2595	2700				3400								590										
Knapp		ND		ND	10	9	12		24	15	7	6.5		8	8	5.5	5.2		5	7.5		16			32			
Parella	120000	105548	75243	57667	62173	44500				55000																		
Lehl	2150	1062			63	39				46																		
O'Searne		1650			117	41				34														52				
Crooks		9	ND	ND	ND		ND			ND				ND	ND	ND				ND						ND		
Perez		7	1		1.2																							
Pitt			165	ND	ND		ND		ND																	ND	ND	
Rasmassan		12	ND	2.7		<1	ND	ND		ND			ND			ND				ND				ND		ND		
Morse		4	ND	<1	ND																							
Prior King	ND	ND		2.3		ND			ND	2					ND							ND					ND	
Radivoy		ND	ND	4.4		ND	ND			2			ND	ND										ND				
Cosmo Op. old		6	ND		<1	ND	ND			ND				ND					ND		ND				ND	ND		
Cosmo Op. new		ND	ND		ND	ND	ND			2					ND				ND									
Ward		2	ND	ND		ND						ND	ND							ND	ND		ND			ND	ND	
General Switch	1100		2177		1500					1400												1400						
Holmes							ND																					
Winner										ND					<0.1	ND												
Estrada												ND								ND	ND							
Seeley									ND			ND			0.1	ND												
F...							0.1			ND			0.25	0.3	ND	ND						ND						
Perry											ND				ND						ND	ND				ND		
Smith											ND	ND										ND				ND		
Eckerson								ND		ND																ND		

GENENERAL SWITCH -- A037G

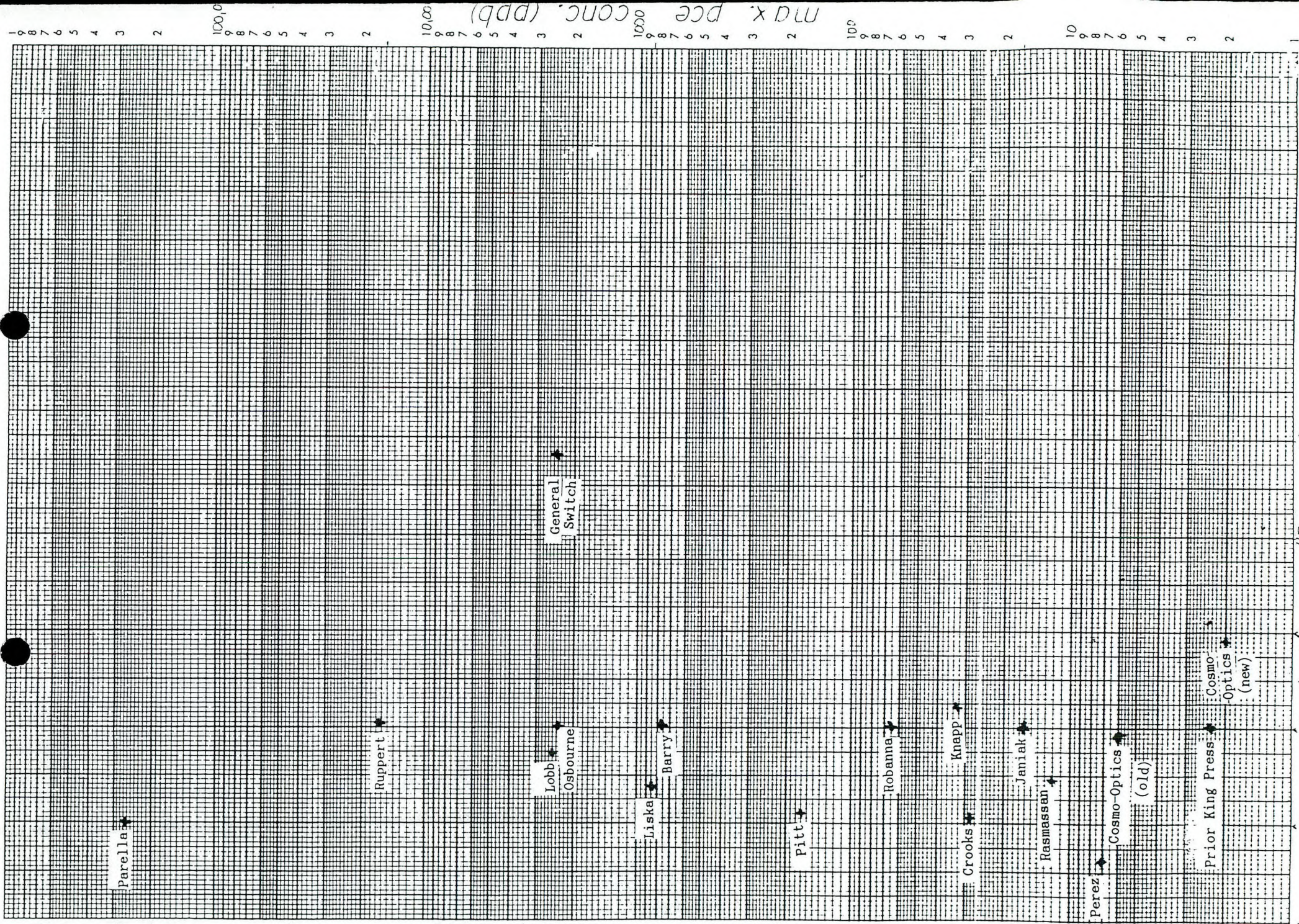
Water Level Measurements -- Domestic Wells

Property		Elevation Top of Casing (Ft. Above MSL)	Water Level (Ft. Above M.S.L.)								
Street	Owner		6/85	7/85	8/85	9/85	10/85	11/85	12/85	1/86	Avg.
Industrial Place											
	General Switch	635.37		620.55	619.78	618.47	620.33	623.12		623.32	620.93
	Guild Molders	602.77		593.37	592.42	592.04	594.06			595.37	593.45
Highland Avenue											
	Orange Handling	628.63									
	Kuhl Restaurant	638.84		601.60	610.48						606.04
	F. Kuhl	628.81									
	Pitt	664.54		632.70	631.49		604.24			606.51	618.74
	Viscardo				624.14		629.52	631.42		630.82	628.98
	Electra Mfg.	643.95	632.88								*632.88
	Perry	654.00									
	Perez	652.14									
	Merle	650.48									
	Osbourne	649.65		614.89	613.64	594.45					607.66
	Lobb	646.38									
	Fiore	644.33									
	Gilbert	649.25		631.46	628.68		630.49	633.04		633.11	631.36
	Seeley	641.73		600.65	598.71	604.73	607.20	610.73		610.15	605.36
	Ogden	640.91		603.66	602.23	604.67					603.52
	Knapp	640.78	591.87	596.20	595.72	586.62	601.23	601.80		603.27	596.67
	Stout	632.64									
	Cont. Tel	630.35									
	Barry	635.22	600.47	600.42	599.27	598.54	601.25	603.35		603.19	600.93
	Robanna	630.06		589.93	588.28		590.38	592.85		591.95	590.68
	Janiak	623.38									
	Estrada	616.45		589.28	587.38	588.35	591.08	592.44		593.22	590.29
Electric Avenue											
	Van Pelt	646.72		608.80	607.77	613.55	610.13	617.90		612.24	611.73

GENENERAL SWITCH -- A037G

Water Level Measurements -- Domestic Wells
(continued)

Property		Elevation	Water Level (Ft. Above M.S.L.)								
Street	Owner	Top of Casing (Ft. Above MSL)	6/85	7/85	8/85	9/85	10/85	11/85	12/85	1/86	Avg.
Watkins Avenue											
	Saxton	684.35									
	Wand	676.07		594.92	592.44		585.47	599.14		587.54	591.90
	Cosmo Optics	675.96									
	Prior King	673.27									
	De Rose	667.77									
	Liborio (dug well)	662.66		655.54	654.24	656.13	654.85	658.27		655.65	655.78
	Morse	651.46		594.63	593.33	591.86	591.46	598.27		593.87	593.90
	Rasmossan	639.64	636.03								
	Winner	649.19									
	Holmes (dug well)	633.09					614.98	615.93		617.06	615.99
	Wengenroth	639.47									
Commonwealth Avenue											
	Reynolds	667.27		566.84	565.24						566.04
	Kehm (dug well)	657.77		651.98	650.64	650.62	652.11	654.20		650.76	651.72
	Palermo	654.90									
	Clauson (dug well)	647.65		642.05	640.68	641.18	642.30	643.06		642.83	642.02
	Dickerson	648.97		585.37	583.82	585.97	585.15	590.27		587.83	586.40
	Meyers	695.59									
	Ruppert	683.26	581.91	571.26	584.10	590.05	589.26	576.49		590.99	583.44
	Berry	679.82	582.84	578.28	576.14		581.19	582.58		582.80	580.64
	MacEntree				571.39						*571.39



PCE Concentration (in ppb) vs. Time

Janiak; 295 Highland Ave.

Well Data

Elev (Top of Casing): 523.38'

Elev (Water Level):

Well Depth: 200'

Max. PCE Conc.: 17 ug/l
(11/83)

Well Data

Elev (Top of Casing): 523.38'

Elev (Water Level):

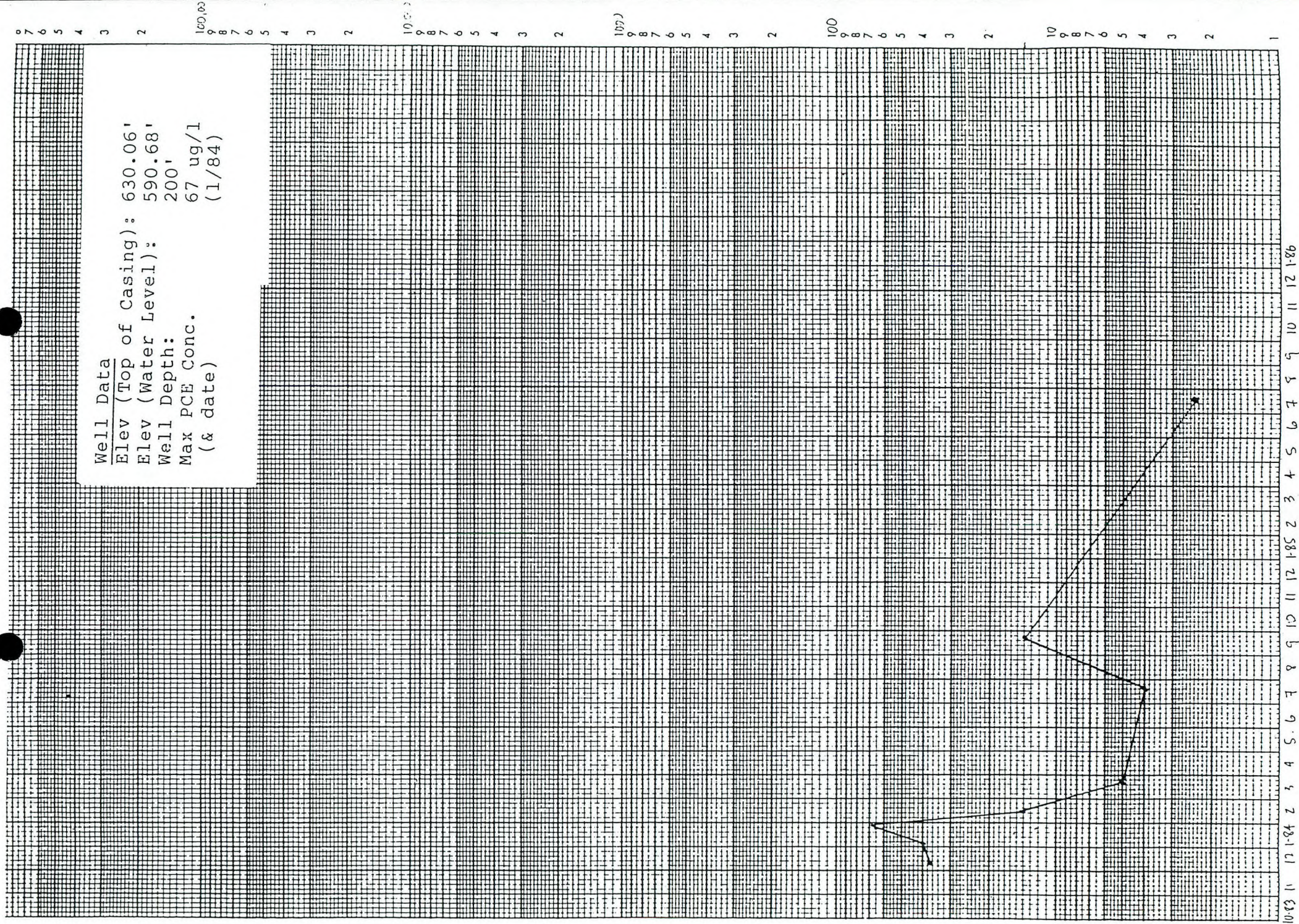
Well Depth: 200'

Max. PCE Conc.: 17 ug/l
(11/83)

10-83 11 12 184 1 2 3 4 5 6 7 8 9 10 11 12 185 1 2 3 4 5 6 7 8 9 10 11 12 186

Well Data

Elev (Top of Casing): 630.06'
Elev (Water Level): 590.68'
Well Depth: 200'
Max PCE Conc.
67 ug/l
(1/84)



PCE Concentration (in ppb) vs. Time

Liska; 304 Highland Ave.

Well Data

Elev (Top of Casing): 627.10'

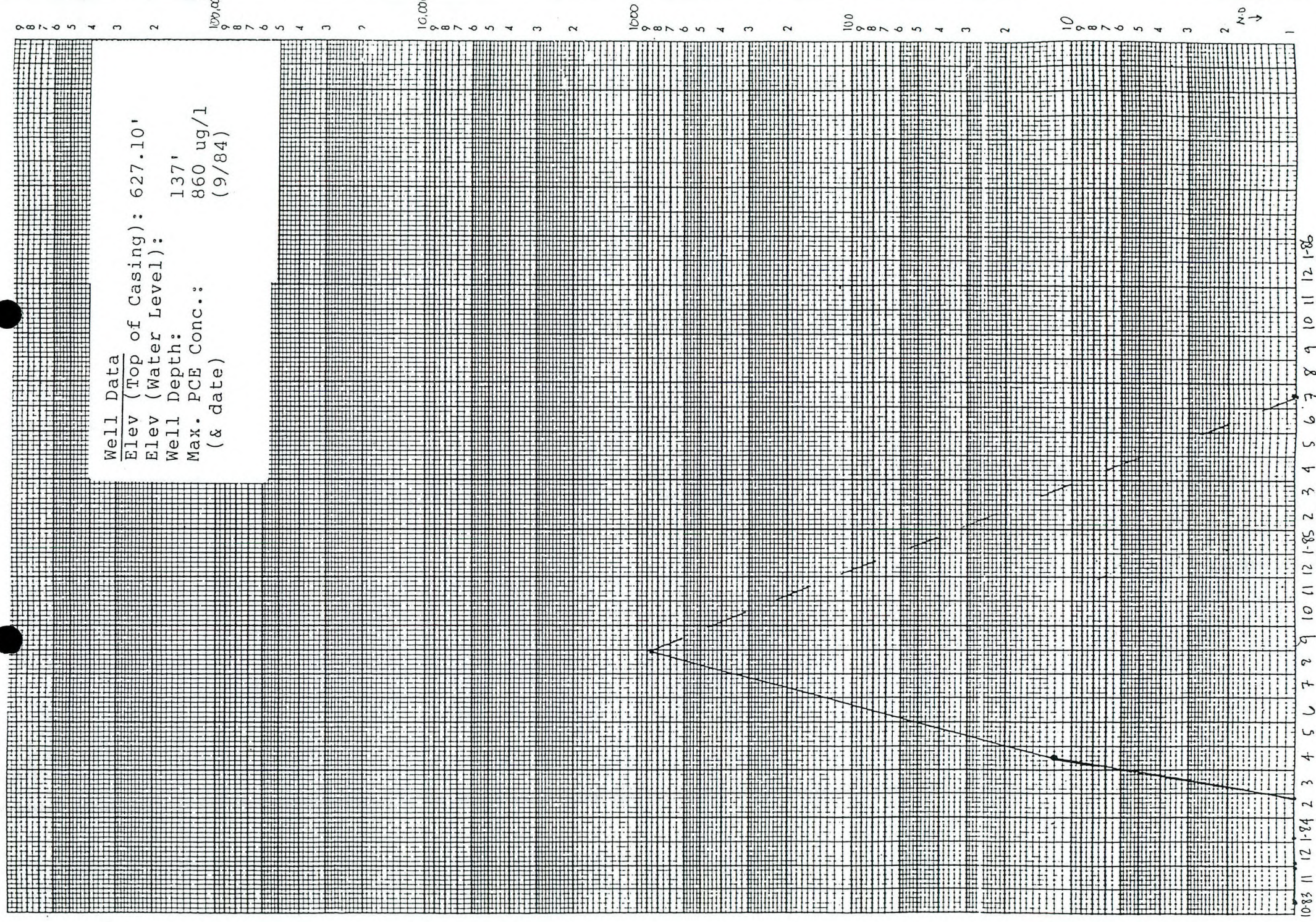
Elev (Water Level):

Well Depth: 137'

Max. PCE Conc.: 860 ug/l

(& date)

(9/84)



PCE Concentration (in ppb) vs. Time

Ruppert 307 Highland Ave.

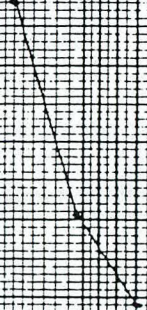
Well Data

Elev (Top of Casing): 633.17'

Elev (Water Level):

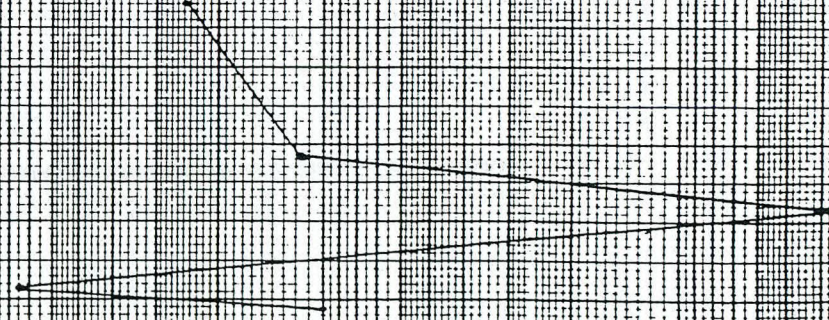
Well Depth: 205'

Max. PCE Conc.: 16000 ug/l
(7/84)



Well Data

Elev (Top of Casing): 635.22'
Elev. (Water Level): 600.93'
Well Depth: 203'
Max. PCE Conc.: 750 ug/l
(12/83)



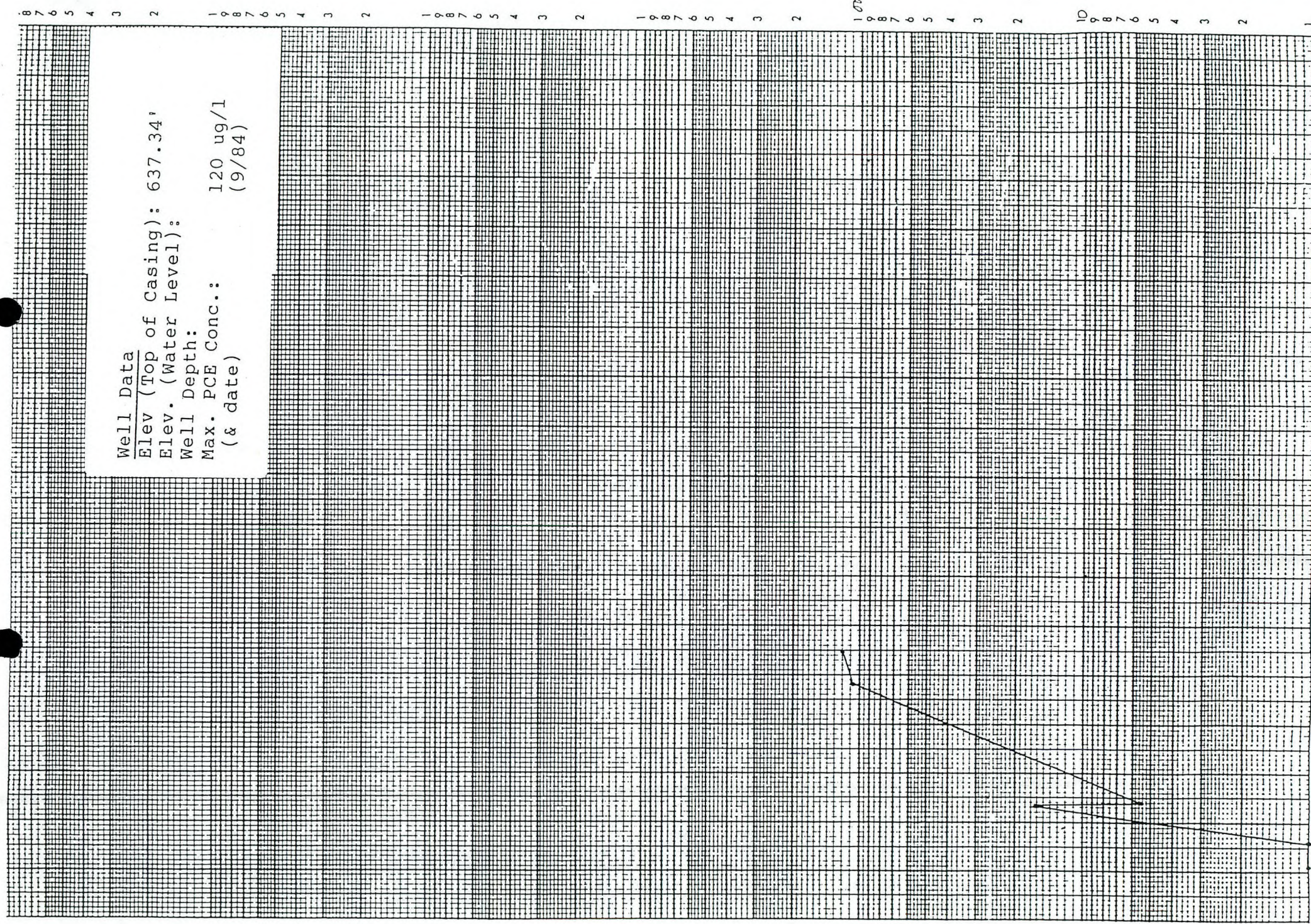
Well Data

Elev (Top of Casing): 637.34'

Elev. (Water Level):

Well Depth:

Max. PCE Conc.: 120 ug/l
(9/84)



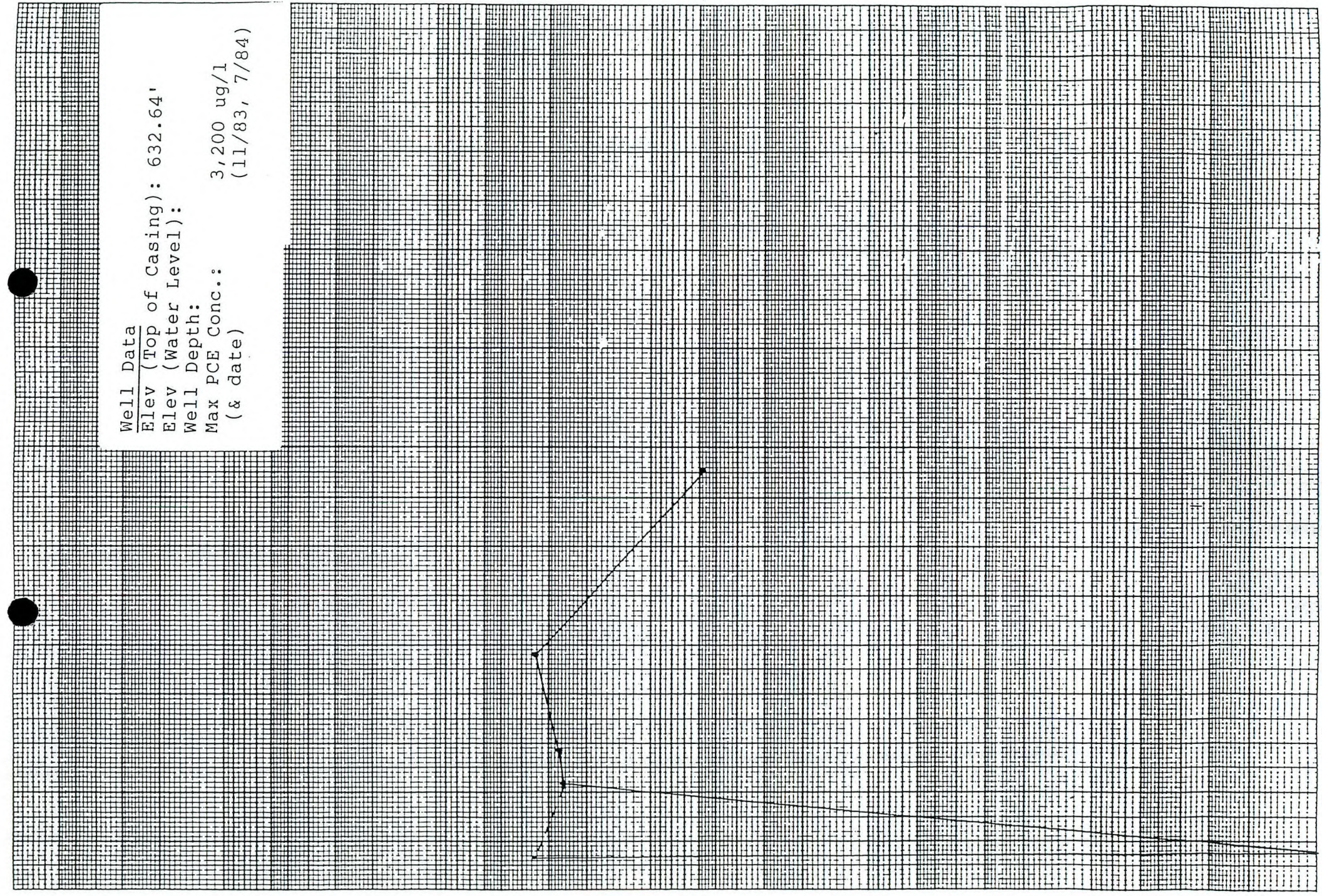
Well Data

Elev (Top of Casing): 632.64'

Elev (Water Level):

Well Depth:

Max PCE Conc.: 3,200 ug/l
(11/83, 7/84)

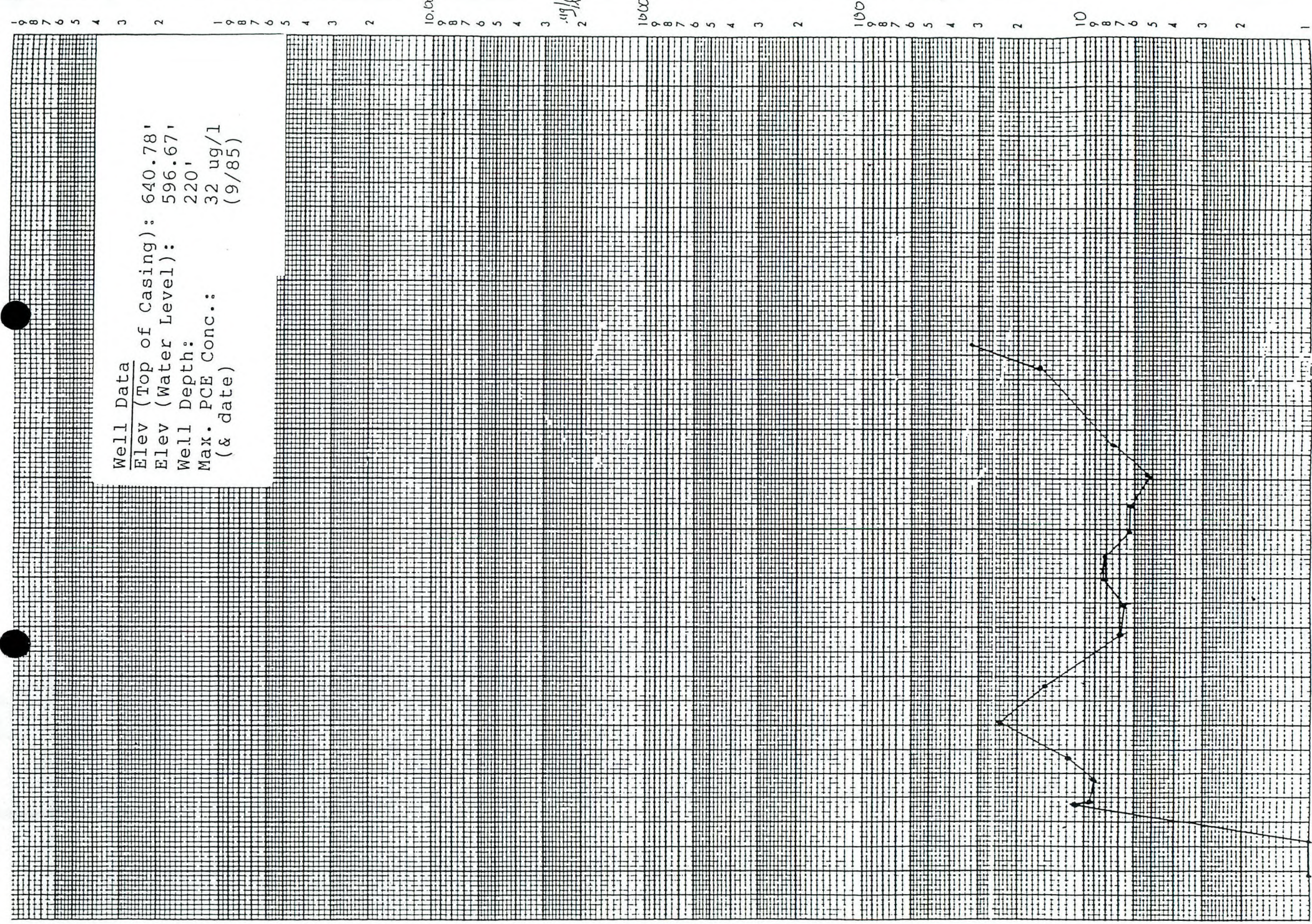


PCE Concentration (in ppb) vs. Time

Knapp; 317 Highland Ave.

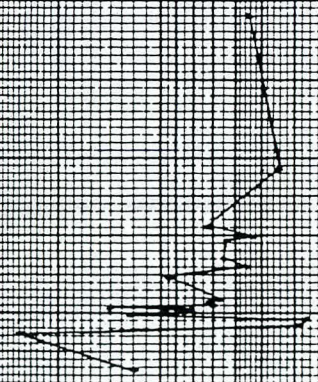
Well Data

Elev (Top of Casing): 640.78'
Elev (Water Level): 596.67'
Well Depth: 220'
Max. PCE Conc.: 32 ug/l
(& date) (9/85)



Well Data

Elev (Top of Casing): 639.19'
Elev (Water Level):
Well Depth: 100'
Max. PCE Conc.: 260,000 ug/l
(11/83)



PCE Concentration (in ppb) vs. Time

Lobb; 327 Highland Ave.

Well Data

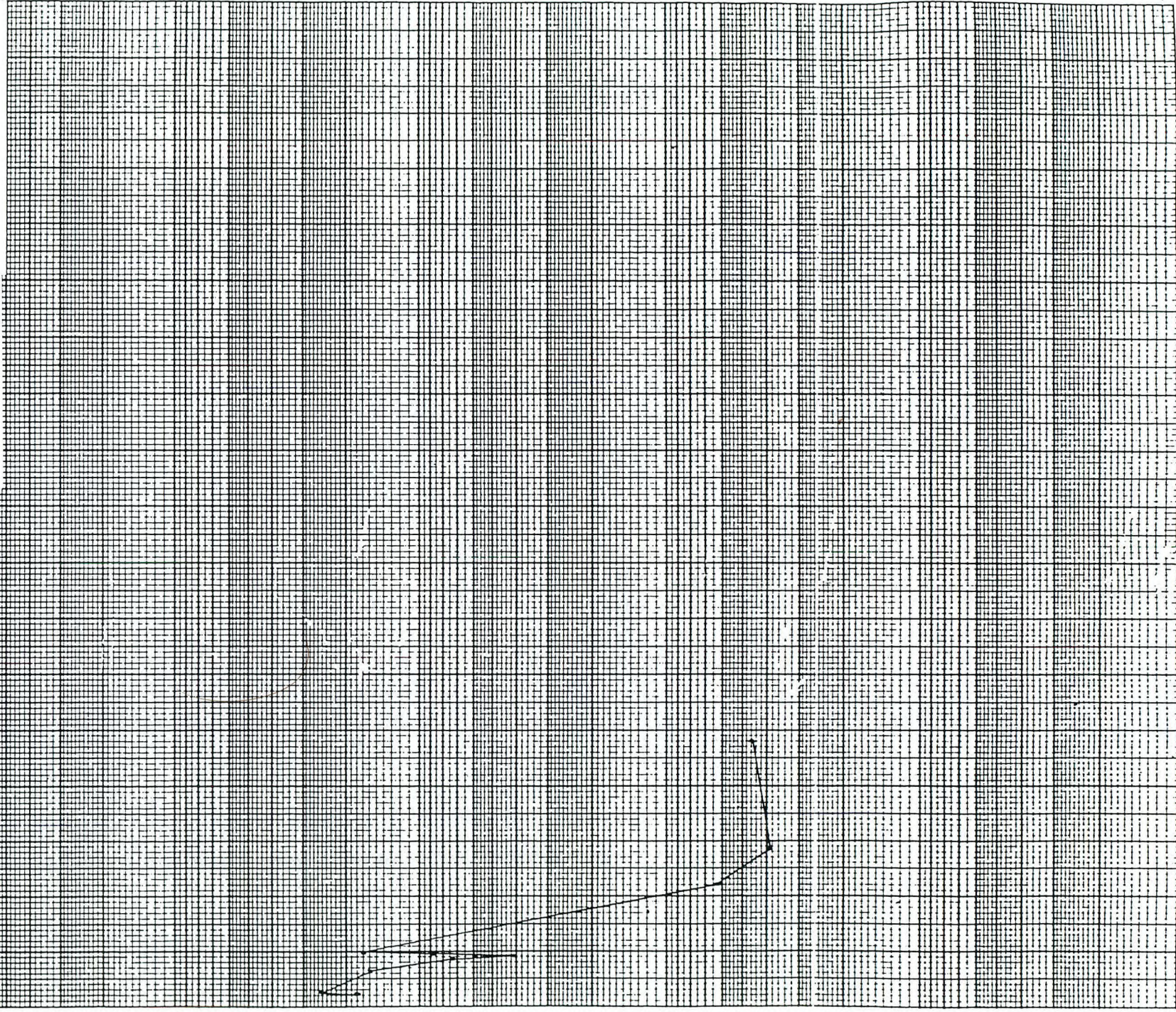
Elev (Top of Casing): 646.38'

Elev (Water Level):

Well Depth: 170'

Max PCE Conc.: 2500 ug/l
(10/83)

(& date)



Well Data

Elev (Top of Casing): 649.65'

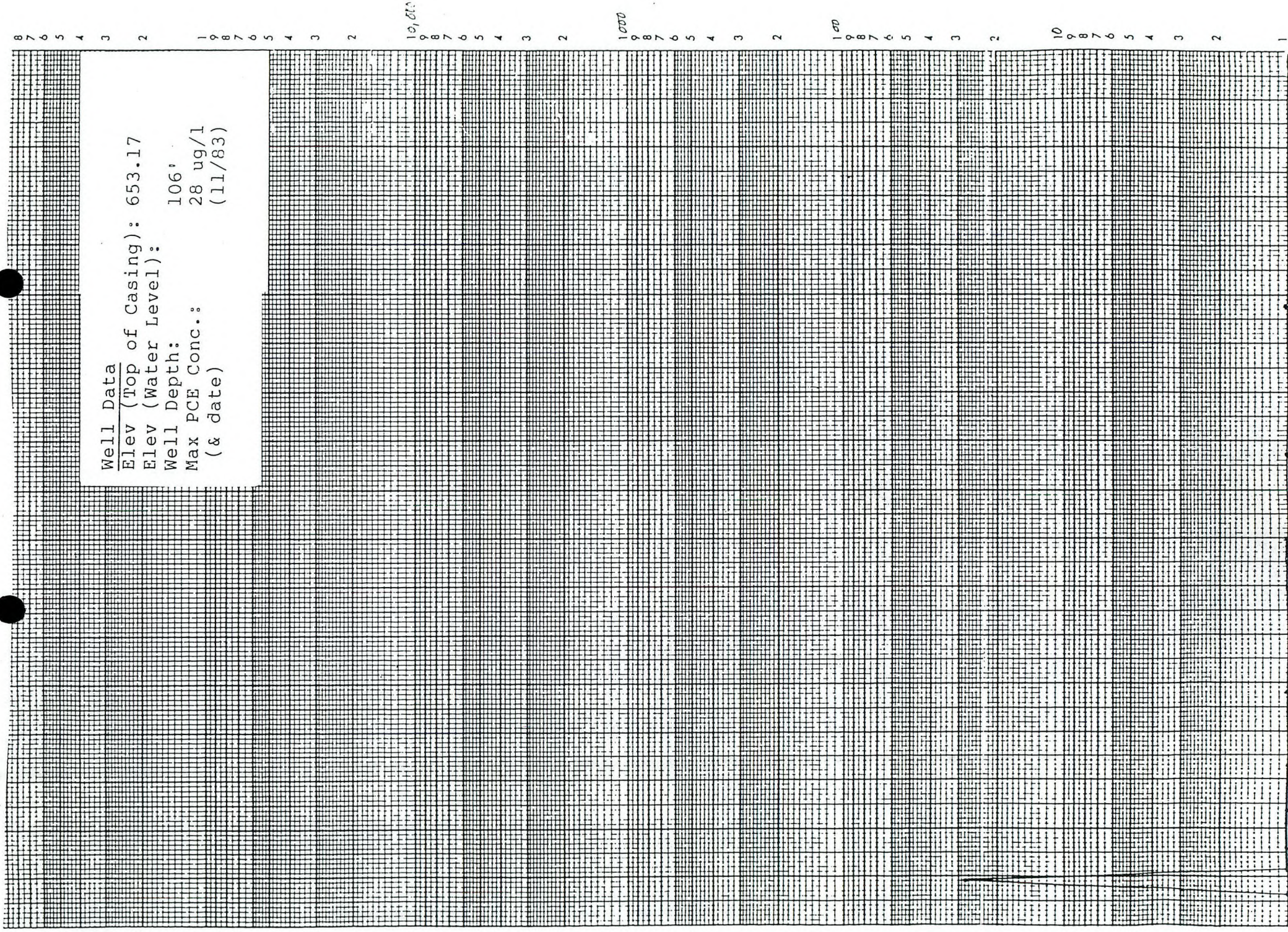
Elev (Water Level): 607.66'

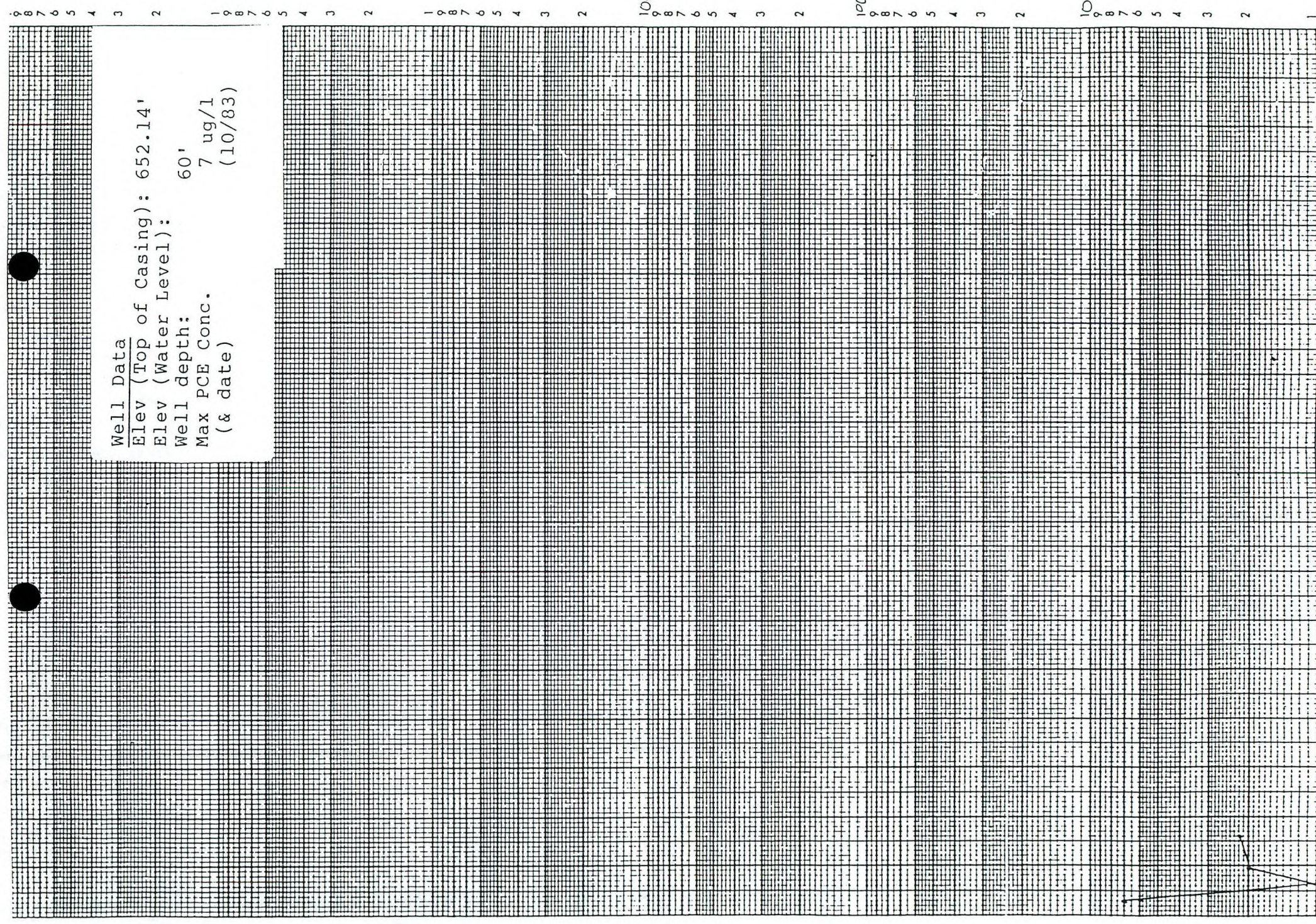
Well Depth: 200'

Max PCE Conc.: 2400 ug/l
(11/83)

Well Data

Elev (Top of Casing): 653.17
 Elev (Water Level):
 Well Depth: 106'
 Max PCE Conc.: 28 ug/l
 (& date) (11/83)





Well Data

Elev (Top of Casing): 652.14'

Elev (Water Level):

Well depth: 60'

Max PCE Conc. 7 ug/l

(& date) (10/83)

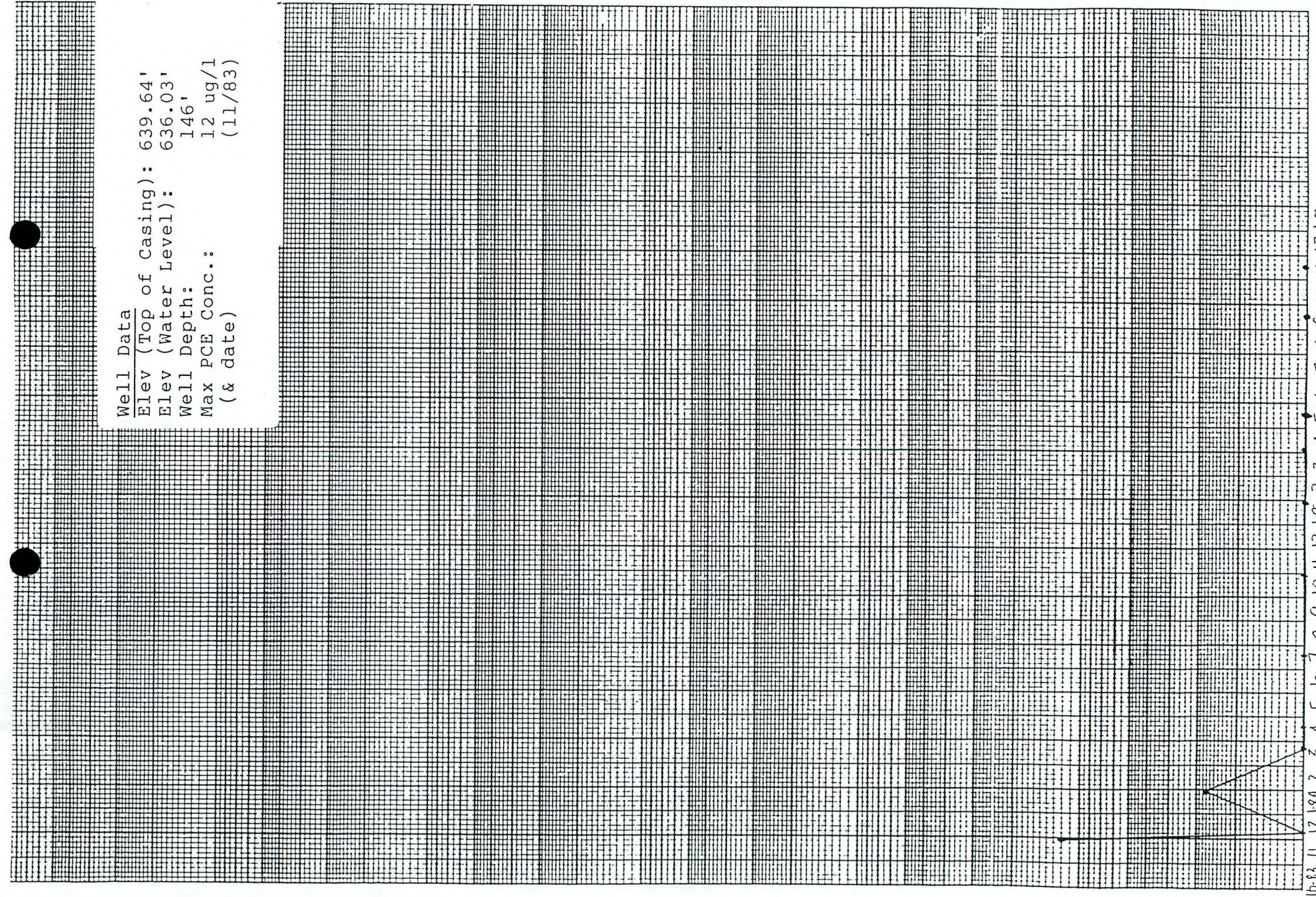
Well Data

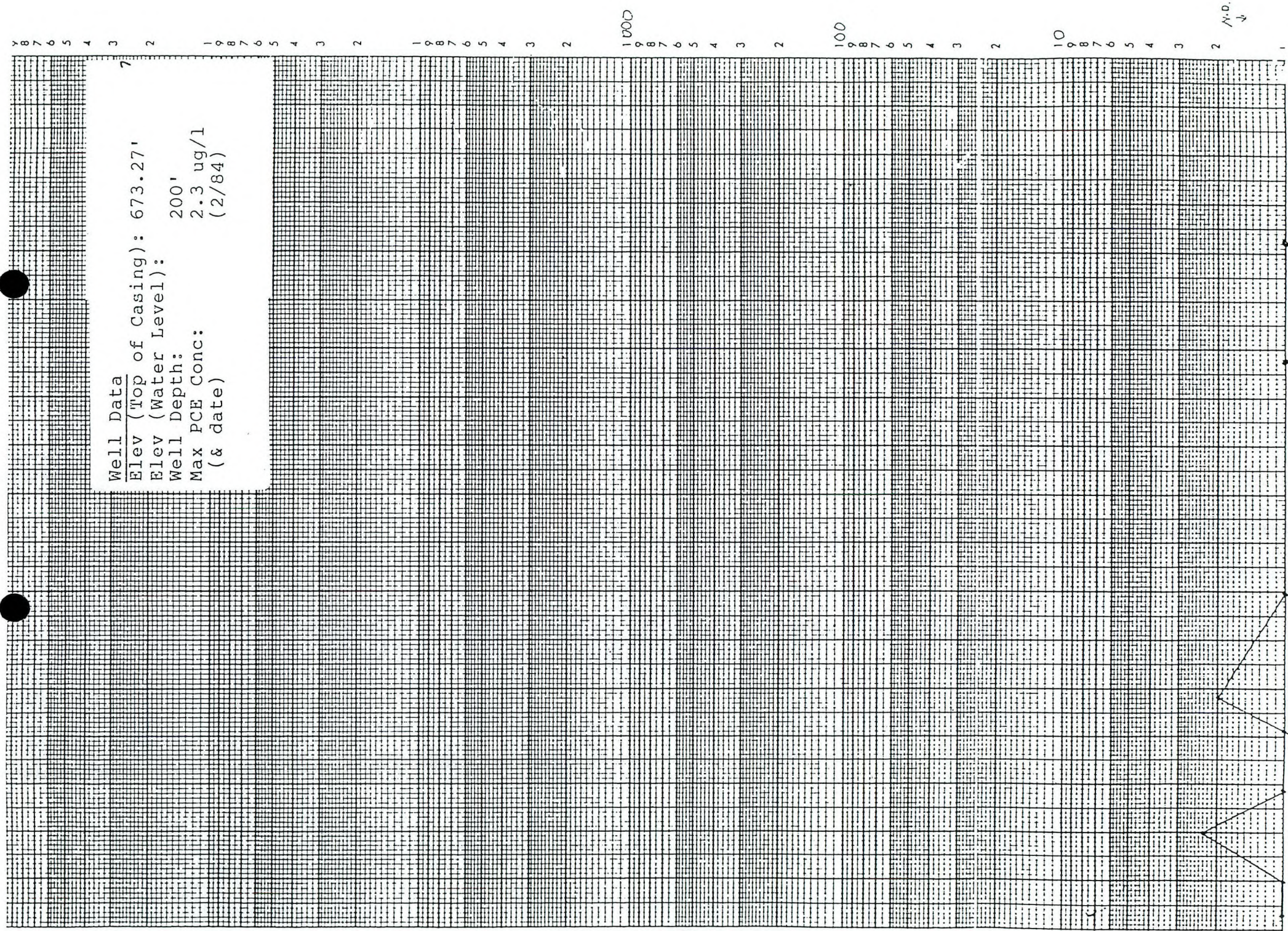
Elev (Top of Casing): 664.54'
Elev (Water Level) 618.74'
Well Depth: 110'
Max PCE Conc: 170 ug/l
(& date) (11/83)

10-83 11 12 1-84 2 3 4 5 6 7 8 9 10 11 12 1-85 2 3 4 5 6 7 8 9 10 11 12 1-86

Well Data

Elev (Top of Casing): 639.64'
Elev (Water Level): 636.03'
Well Depth: 146'
Max PCE Conc.: 12 ug/l
(11/83)





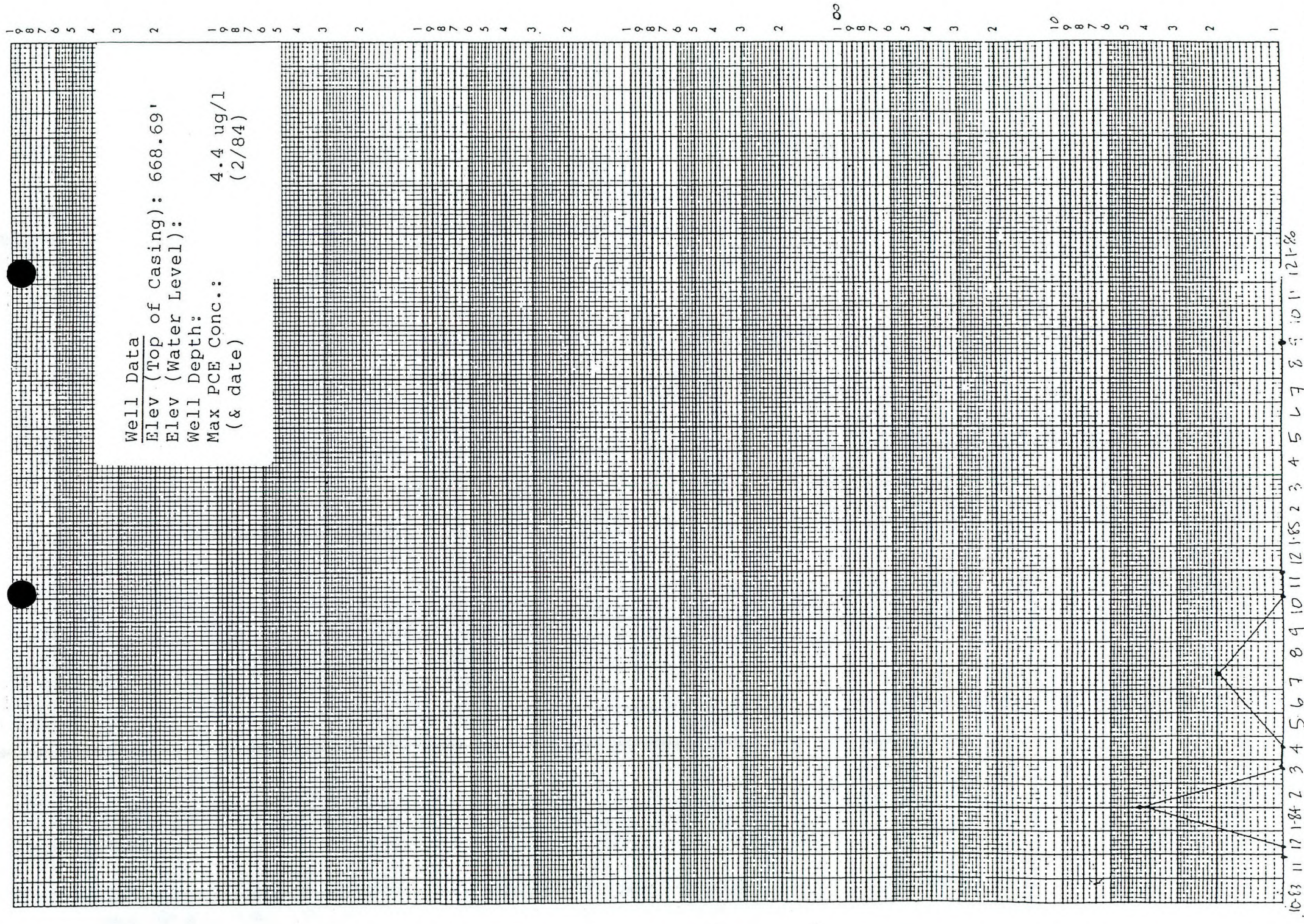
Well Data

Elev (Top of Casing): 668.69'

Elev (Water Level):

Well Depth:

Max PCE Conc.: 4.4 ug/l
(& date) (2/84)



PCE Concentration (in ppb) vs. Time

Cosmo-Optics (old); 238 Watkins Ave.

Well Data

Elev (Top of Casing):

Elev (Water Level):

Well Depth:

Max PCE Conc:

(& date)

190'

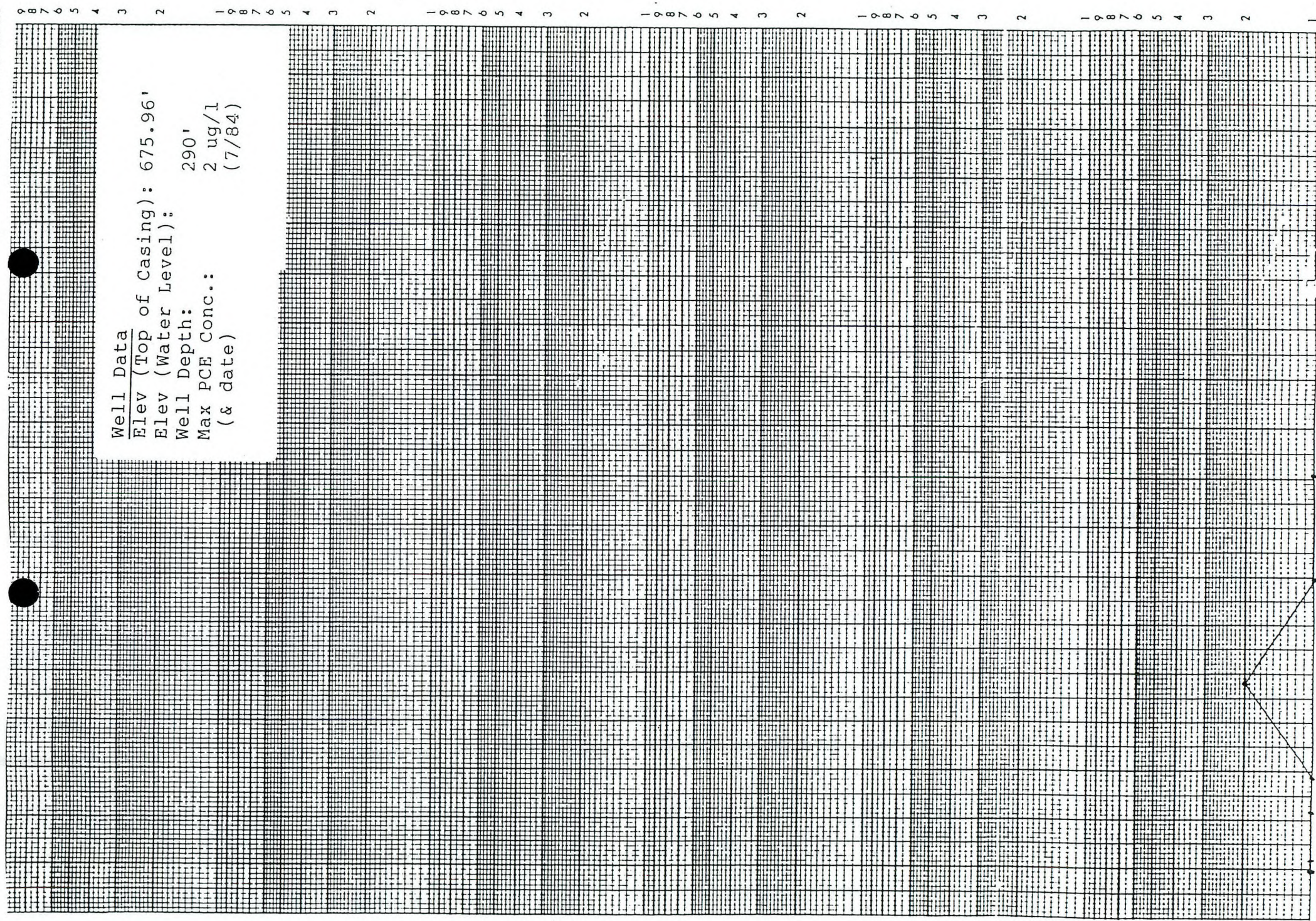
6 ug/l

(11/83)

10-83 11 12 1-84 2 3 4 5 6 7 8 9 10 11 12 1-86

Well Data

Elev (Top of Casing): 675.96'
 Elev (Water Level):
 Well Depth: 290'
 Max PCE Conc.: 2 ug/l
 (& date) (7/84)

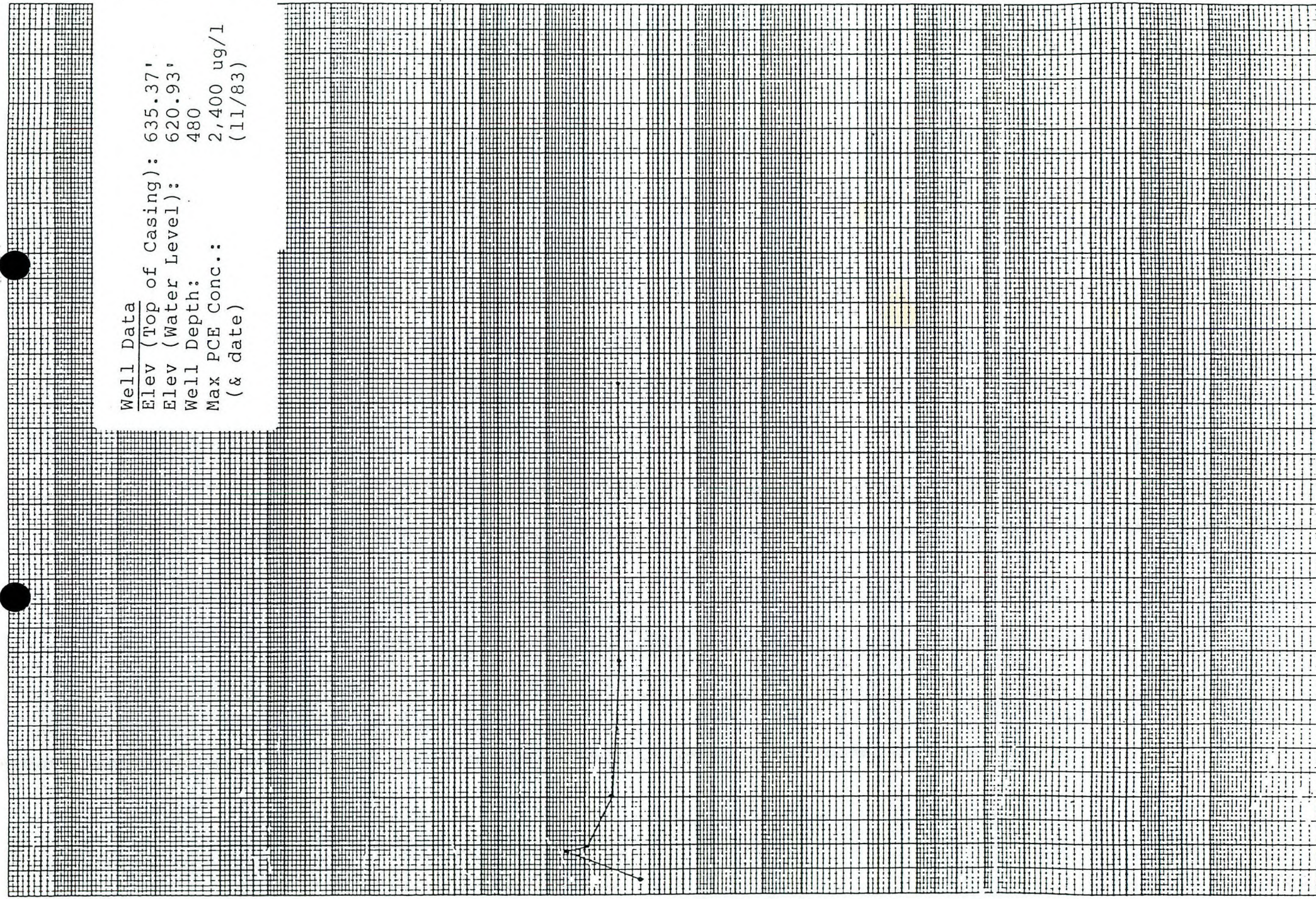


Well Data

Elev (Top of Casing): 635.37'

Elev (Water Level): 620.93'

Well Depth: 480

Max PCE Conc.: 2,400 ug/l
(11/83)

10-83 11-83 12-83 1-84 2-84 3-84 4-84 5-84 6-84 7-84 8-84 9-84 10-84 11-84 12-84

336025

530 Fifth Avenue, New York, N.Y. 10036-5166 (212) 840-3990

Fred C. Hart Associates, Inc.

FILE COPY

RECEIVED

MAR 21 1986

ADMINISTRATIVE UNIT
REGION #3

RECEIVED

MAR 24 1986

NYS DEC
REGION 3NHN
Copy HJOT
CN 6P. Keller
A. Klausner
R. Gailman

Reg. 3

March 14, 1986

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

ATTN: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

1. Monthly Periodic Progress Report, 2/1/86 - 2/28/86.
2. Trip Report of February 20th and 21st Potable Well Sampling Campaign.
3. Trip Report of February 20th and 21st, Water Level Measurements.
4. Results of February 20th and 21st Potable Well Sampling.

Although we are under no obligation to take water level measurements at the Wallkill site at this time, we have continued the program noted in last month's report whereby we attempt to take such measurements each month during the potable well sampling campaign. We have included a memo outlining these efforts for the month of February.

In addition to the activities contained in the monthly report, on February 5, 1986, we held a status meeting with your office and the New York State Department of Environmental Conservation ("NYSDEC"), during which we discussed further remediation at the General Switch site and agreed to schedule a meeting with NYSDEC technical personnel. That meeting has been scheduled for March 14.

Finally, by letter dated February 24, 1986, Dr. Russell C. Johnson of the Orange County Department of Health recommended that potable well

RECEIVED

MAR 17 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

(0768A)

March 14, 1986



sampling be reduced to a quarterly basis. In conjunction with that recommendation, Cheryl Adler of Rosenman, Colin, Freund, Lewis and Cohen has informed us of your office's determination that any future potable well sampling is to be conducted at the request of, and in coordination with, NYSDEC.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot
Manager, Geotechnical Services

BJ:wsm
(A037d)

cc: ✓ Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation

Enclosures

(0768A)

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

2/1/86 - 2/28/86

Work Efforts Completed to Date

In compliance with the Administrative Order on Consent issued to General Switch (GSC) on May 1, 1984, the following activities were conducted during the month of February 1986 on behalf of General Switch by Fred C. Hart Associates, Inc.

Section I-B

Results of the February 20th and 21st potable well sampling campaign were received on March 10, 1986, and are attached. The February 20th and 21st trip report is also provided as an attachment.

M E M O R A N D U M

TO: Francie Barker
FROM: Jose Luis Vega
RE: General Switch Potable Well Sampling and Water Level Elevations
DATE: March 10, 1986

On February 20 and 21, 1986, I sampled 10 potable wells in the vicinity of General Switch. In addition, one replicate, one field blank and trip blank were collected. The following provides a list of sample numbers and sampling locations:

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW-1	Saxton	251 Watkins Avenue
PW-2	DeMouth	188 Commonwealth Avenue
PW-3	Berry	210 Commonwealth Avenue
PW-4	Mader	214 Commonwealth Avenue
PW-5	Noha	237 Commonwealth Avenue
PW-6	Gibson (Meyers)	243 Commonwealth Avenue
PW-7	Wand	239 Watkins Avenue
PW-8	Weeden (Smith)	291 Highland Avenue
PW-9	Wegenroth	168 Watkins Avenue
PW-10	Van Pelt	31 Electric Avenue
PW-11	Field Blank (Noha)	
PW-12	Replicate (Van Pelt)	
PW-13	Trip Blank	

The samples will be analyzed for tetrachloroethylene by Princeton Testing Lab, Princeton, New Jersey, using EPA Method 601 within 14 days.

In addition to potable well samples, water level readings were collected at as many homes as possible in the vicinity of General Switch. Water level measurements were taken from the top of the well casing, and are reported as groundwater elevations expressed in feet above sea level. The following table provides a list of well locations and their corresponding water elevations.

<u>Owner</u>	<u>Water Elevation (ft)</u>	<u>Address</u>
General Switch	625.12	Industrial Place
Guild Molders	596.44	2 Industrial Place
Pitt	Refused Access	355 Highland Avenue
Viscardo	636.35	388 Highland Avenue
Gilbert	635.22	323 Highland Avenue
Seeley	608.05	321 Highland Avenue
Knapp	600.21	317 Highland Avenue
Barry	Refused Access	309 Highland Avenue
Robanna	594.06	297 Highland Avenue
Estrada	595.13	286 Highland Avenue
Van Pelt	609.32	31 Electric Avenue
Wand	589.86	239 Watkins Avenue
Liborio	657.21	217 Watkins Avenue
Morse	595.28	190 Watkins Avenue
Holmes	619.50	175 Watkins Avenue
Kehm	654.68	193 Commonwealth Avenue
Clausen	644.64	177 Commonwealth Avenue
Dickerson	589.90	173 Commonwealth Avenue
Ruppert	591.97	229 Commonwealth Avenue
Berry	582.16	210 Commonwealth Avenue

Princeton Services Center
U.S. Route 1
609-452-9050
TLX 84-3492



P.O. Box 2108, Princeton, N.J. 08540



RECEIVED MAR 7 1986

DATE: 3/3/86

JOB NO. 86GC0496

AUTHORIZATION: Project A 037D

SAMPLE: Water - 13

Page 1 of 4

TO:

Fred C. Hart Associates
530 Fifth Avenue
New York, New York 10036

Att: Alexis Alfasso

REPORT OF ANALYSIS

VOLATILE ORGANICS

Micrograms/liter

	Method Detection Limit	Tetrachloroethylene
PW #1	2	ND
2	2	ND
3	2	ND
4	2	ND
5	2	ND
6	2	ND
7	2	ND
8	2	ND
9	2	ND
10	2	ND
11	2	ND
12	2	ND
13	2	ND

Received 3/24/86


William Sherman, Manager
Organic Laboratory

William F. Pickle, Director

WS/rk

< - less than < - ND - element is less than the value given and not detected by the technique employed > - more than



P.O. Box 3108, Princeton, N.J. 08540

QUALITY CONTROL REPORT

Matrix Spike Analysis

Fred C. Hart

JOB NO. 86GC0496
ANALYST RD Page 2 of 4
DATE March 3, 1986
MATRIX PE/MW
METHOD 601

[illegible]

$$\% \text{ Recovery} = \frac{(\text{SSR} \cdot \text{SR})}{(\text{SA})} \times 100$$



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278

336025
RECEIVED

MAR 17 1986

NYS DEC
REGION 3

13 MAR 1986

Mr. James Hardy
New York State Department of
Environmental Conservation
21 South Putt Corners
New Paltz, NY 12561

Dear Mr. Hardy:

Below are USEPA's comments on the Proposed General Switch Remediation Plan.

EPA's main concern with the proposal is the level to which the groundwater is to be cleaned. The Resource Conservation and Recovery Act (40 CFR §264.94(a)(1)) requires groundwater to be cleaned up to background levels, in this case, zero (0), unless an Alternate Concentration Limit (ACL) is established by the Regional Administrator. The ACL must be a level which "will not pose a substantial present or potential hazard to human health or the environment". Additionally, the EPA issued a Recommended Maximum Concentration Level (RMCL) of zero for tetrachloroethylene in the Nov. 13, 1985 Federal Register pg. 47025 (see attachment). Therefore, General Switch's proposal to clean the aquifer to a level of 50 ppb is unacceptable. It should propose to clean the aquifer to a level of 0 ppb for tetrachloroethylene or any other standard for tetrachloroethylene subsequently adopted by the New York State Department of Health.

The proposal must also indicate that because the extent of groundwater contamination to the south has not been determined, the proposed extraction well to be drilled south of the General Switch property may not be the only additional well required. If this well indicates contamination to the south of the property, additional wells will be necessary to delineate and monitor the contamination in this area. It may also be necessary to include these wells in the pumping plan. There is also no rationale as to the specific placement of this well.

Please call me if you have any questions on the above discussion. Otherwise, I will see you at the March 14, 1986 meeting in Albany.

Sincerely yours,

Patricia Wells, Environmental Engineer
Site Investigation & Compliance Branch

ENVIRONMENTAL PROTECTION AGENCY**40 CFR Part 141**

[OW-FRL-2915-6]

National Primary Drinking Water Regulations; Volatile Synthetic Organic Chemicals**AGENCY:** Environmental Protection Agency (EPA).**ACTION:** Notice of availability of new evidence and request for comment.

SUMMARY: This action under the Safe Drinking Water Act (42 U.S.C. 300f *et seq.*) reopens the public comment period for 45 days to provide the opportunity for review and comment on a new report on the toxicology of tetrachloroethylene from the National Toxicology Program. EPA proposed an RMCL for tetrachloroethylene on June 12, 1984 (49 FR 24330) at a level of zero on the basis of limited evidence of carcinogenicity of tetrachloroethylene.

The National Toxicology Program Technical Report is entitled, "Report on the Toxicology and Carcinogenesis Studies of Tetrachloroethylene in Rats and Mice," Board Draft, August 1985. EPA has been informed that the draft has been evaluated by the NTP Board and that one conclusion of the document has been revised as follows: The chemical has been determined to present "clear" evidence of

carcinogenicity in rats, rather than "some" evidence.

EPA requests comments on the National Toxicology Program Report. The Agency also requests comments on the classification of tetrachloroethylene as a carcinogen under EPA's carcinogen assessment scheme, as discussed in Section IV of the Final Rule for RMCLs for VOCs, published elsewhere in today's issue. Comments are not solicited on other topics.

DATES: Comments must be submitted by December 30, 1985.

ADDRESSES: Comments should be sent to Comment Clerk, Criteria and Standards Division, Office of Drinking Water (WH-550), Environmental Protection Agency, 401 M Street, SW., Washington, DC 20460. If there is significant interest, a public meeting will be held, and separately noticed in the Federal Register.

FOR FURTHER INFORMATION CONTACT: Joseph A. Cotruvo, Ph.D., Director, Criteria and Standards Division, Office of Drinking Water (WH-550), Environmental Protection Agency, 401 M Street, SW., Washington, DC 20460, telephone (202) 382-7575.

SUPPLEMENTARY INFORMATION: The NTP report is available for inspection at EPA, Room 2904 (rear) 401 M St., SW., Washington, DC and at the Drinking Water Supply Branches in EPA's Regional Offices.

I. JFK Federal Bldg., Boston, MA 02203, Phone: (617) 223-6486, Jerome Healy

II. 26 Federal Plaza, Room 824, New York, NY 10278, Phone: (212) 264-1800, Walter Andrews

III. 6th & Walnut Sts., Philadelphia, PA 19106, Phone: (215) 597-9873

IV. 345 Courtland Street, Atlanta, GA 30365, Phone: (404) 881-3781, Robert Jourdan

V. 230 S. Dearborn St., Chicago, IL 60604, Phone: (312) 886-6176, Joseph Harrison

VI. 1201 Elm St., Dallas, TX 75270, Phone: (214) 767-2620, James Graham

VII. 726 Minnesota Ave., Kansas City, KS 66101, Phone: (913) 236-2815, Gerald R. Foree

VIII. 1860 Lincoln St., Denver, CO 80295, Phone: (303) 293-1426, Marc Alston

IX. 215 Fremont St., San Francisco, CA 94105, Phone: (415) 974-8076, Leslie Ragle

X. 1200 Sixth Ave., Seattle, WA 98101, Phone: (206) 442-1225, Jerry Opatz

A limited number of copies of the NTP report are available from NTP Public Information Office (MDB 2-04), National Toxicology Program, P.O. Box 12233, Research Triangle Park, North Carolina 27709 (919-541/3780). The report is also available for sale from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161 (703/487-4650).

Dated: October 10, 1985.

Lee Thomas,
Administrator.

[FR Doc. 85-26418 Filed 11-12-85; 8:45 am]

BILLING CODE 6560-50-M

Title 40—Protection of Environment

Chapter I—Environmental Protection Agency

§ 264.94

institute a corrective action program under § 264.100; or

(4) In all other cases, the owner or operator must institute a detection monitoring program under § 264.98.

(b) The Regional Administrator will specify in the facility permit the specific elements of the monitoring and response program. The Regional Administrator may include one or more of the programs identified in paragraph (a) of this section in the facility permit as may be necessary to protect human health and the environment and will specify the circumstances under which each of the programs will be required. In deciding whether to require the owner or operator to be prepared to institute a particular program, the Regional Administrator will consider the potential adverse effects on human health and the environment that might occur before final administrative action on a permit modification application to incorporate such a program could be taken.

§ 264.92 Ground-water protection standard.

The owner or operator must comply with conditions specified in the facility permit that are designed to ensure that hazardous constituents under § 264.93 entering the ground water from a regulated unit do not exceed the concentration limits under § 264.94 in the uppermost aquifer underlying the waste management area beyond the point of compliance under § 264.95 during the compliance period under § 264.96. The Regional Administrator will establish this ground-water protection standard in the facility permit when hazardous constituents have entered the ground water from a regulated unit.

§ 264.93 Hazardous constituents.

(a) The Regional Administrator will specify in the facility permit the hazardous constituents to which the ground-water protection standard of § 264.92 applies. Hazardous constituents are constituents identified in Appendix VIII of Part 261 of this chapter that have been detected in ground water in the uppermost aquifer underlying a regulated unit and that are

reasonably expected to be in or derived from waste contained in a regulated unit, unless the Regional Administrator has excluded them under paragraph (b) of this section.

(b) The Regional Administrator will exclude an Appendix VIII constituent from the list of hazardous constituents specified in the facility permit if he finds that the constituent is not capable of posing a substantial present or potential hazard to human health or the environment. In deciding whether to grant an exemption, the Regional Administrator will consider the following:

(1) Potential adverse effects on ground-water quality, considering:

(i) The physical and chemical characteristics of the waste in the regulated unit, including its potential for migration;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity of ground water and the direction of ground-water flow;

(iv) The proximity and withdrawal rates of ground-water users;

(v) The current and future uses of ground water in the area;

(vi) The existing quality of ground water, including other sources of contamination and their cumulative impact on the ground-water quality;

(vii) The potential for health risks caused by human exposure to waste constituents;

(viii) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents;

(ix) The persistence and permanence of the potential adverse effects; and

(2) Potential adverse effects on hydraulically-connected surface water quality, considering:

(i) The volume and physical and chemical characteristics of the waste in the regulated unit;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity and quality of ground water, and the direction of ground-water flow;

(iv) The patterns of rainfall in the region;

(v) The proximity of the regulated unit to surface waters;

(vi) The current and future uses of surface waters in the area and any water quality standards established for those surface waters;

(vii) The existing quality of surface water, including other sources of contamination and the cumulative impact on surface-water quality;

(viii) The potential for health risks caused by human exposure to waste constituents;

(ix) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; and

(x) The persistence and permanence of the potential adverse effects.

(c) In making any determination under paragraph (b) of this section about the use of ground water in the area around the facility, the Regional Administrator will consider any identification of underground sources of drinking water and exempted aquifers made under § 144.8 of this chapter.

[47 FR 32350, July 26, 1982, as amended at 48 FR 14294, Apr. 1, 1983]

§ 264.94 Concentration limits.

(a) The Regional Administrator will specify in the facility permit concentration limits in the ground water for hazardous constituents established under § 264.93. The concentration of a hazardous constituent:

(1) Must not exceed the background level of that constituent in the ground water at the time that limit is specified in the permit; or

(2) For any of the constituents listed in Table 1, must not exceed the respective value given in that Table if the background level of the constituent is below the value given in Table 1; or

(3) Must not exceed an alternate limit established by the Regional Administrator under paragraph (b) of this section.

(b) The Regional Administrator will establish an alternate concentration limit for a hazardous constituent if he finds that the constituent will not pose a substantial present or potential hazard to human health or the environment as long as the alternate concentration limit is not exceeded. In es-

§ 264.95

establishing alternate concentration limits, the Regional Administrator will consider the following factors:

(1) Potential adverse effects on ground-water quality, considering:

TABLE 1—MAXIMUM CONCENTRATION OF CONSTITUENTS FOR GROUND-WATER PROTECTION

Constituent	Maximum concentration ¹
Arsenic.....	0.05
Barium.....	1.0
Cadmium.....	0.01
Chromium.....	0.05
Lead.....	0.05
Mercury.....	0.002
Selenium.....	0.01
Silver.....	0.05
Endrin (1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,9a-octahydro-1, 4-endo, endo-5,8-dimethano naphthalene).....	0.0002
Lindane (1,2,3,4,5,6-hexachlorocyclohexane, gamma isomer).....	0.004
Methoxychlor (1,1,1-Trichloro-2,2-bis (p-methoxyphenylethane).....	0.1
Toxaphene (C ₁₂ H ₁₈ Cl ₆ , Technical chlorinated camphene, 67-69 percent chlorine).....	0.005
2,4-D (2,4-Dichlorophenoxyacetic acid).....	0.1
2,4,5-TP Silvex (2,4,5-Trichlorophenoxypropionic acid).....	0.01

¹ Milligrams per liter.

(i) The physical and chemical characteristics of the waste in the regulated unit, including its potential for migration;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity of ground water and the direction of ground-water flow;

(iv) The proximity and withdrawal rates of ground-water users;

(v) The current and future uses of ground water in the area;

(vi) The existing quality of ground water, including other sources of contamination and their cumulative impact on the ground-water quality;

(vii) The potential for health risks caused by human exposure to waste constituents;

(viii) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents;

(ix) The persistence and permanence of the potential adverse effects; and

Title 40—Protection of Environment

(2) Potential adverse effects on hydraulically-connected surface-water quality, considering:

(i) The volume and physical and chemical characteristics of the waste in the regulated unit;

(ii) The hydrogeological characteristics of the facility and surrounding land;

(iii) The quantity and quality of ground water, and the direction of ground-water flow;

(iv) The patterns of rainfall in the region;

(v) The proximity of the regulated unit to surface waters;

(vi) The current and future uses of surface waters in the area and any water quality standards established for those surface waters;

(vii) The existing quality of surface water, including other sources of contamination and the cumulative impact on surface water quality;

(viii) The potential for health risks caused by human exposure to waste constituents;

(ix) The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituents; and

(x) The persistence and permanence of the potential adverse effects.

(c) In making any determination under paragraph (b) of this section about the use of ground water in the area around the facility the Regional Administrator will consider any identification of underground sources of drinking water and exempted aquifers made under § 144.8 of this chapter.

[47 FR 32350, July 26, 1982, as amended at 48 FR 14294, Apr. 1, 1983]

§ 264.95 Point of compliance.

(a) The Regional Administrator will specify in the facility permit the point of compliance at which the ground-water protection standard of § 264.92 applies and at which monitoring must be conducted. The point of compliance is a vertical surface located at the hydraulically downgradient limit of the waste management area that extends down into the uppermost aquifer underlying the regulated units.

(b) The waste management area is the limit projected in the horizontal

Chapter I—Environmental Protection Agency

plane of the area on which waste will be placed during the active life of a regulated unit.

(1) The waste management area includes horizontal space taken up by any liner, dike, or other barrier designed to contain waste in a regulated unit.

(2) If the facility contains more than one regulated unit, the waste management area is described by an imaginary line circumscribing the several regulated units.

§ 264.96 Compliance period.

(a) The Regional Administrator will specify in the facility permit the compliance period during which the ground-water protection standard of § 264.92 applies. The compliance period is the number of years equal to the active life of the waste management area (including any waste management activity prior to permitting, and the closure period.)

(b) The compliance period begins when the owner or operator initiates a compliance monitoring program meeting the requirements of § 264.99.

(c) If the owner or operator is engaged in a corrective action program at the end of the compliance period specified in paragraph (a) of this section, the compliance period is extended until the owner or operator can demonstrate that the ground-water protection standard of § 264.92 has not been exceeded for a period of three consecutive years.

§ 264.97 General ground-water monitoring requirements.

The owner or operator must comply with the following requirements for any ground-water monitoring program developed to satisfy § 264.98, § 264.99, or § 264.100:

(a) The ground-water monitoring system must consist of a sufficient number of wells, installed at appropriate locations and depths to yield ground-water samples from the uppermost aquifer that:

(1) Represent the quality of back-ground water that has not been affected by leakage from a regulated unit; and

(2) Represent the quality of ground water passing the point of compliance.

M E M O R A N D U M

TO: Francie Barker
FROM: Jose L. Vega
RE: General Switch Potable Well Sampling and Water Level Elevations
DATE: January 8, 1986

On December 19 and 20, 1985, I sampled 8 potable wells in the vicinity of General Switch. In addition, one replicate, one field blank and trip blank were collected. The following provides a list of sample numbers and sampling locations.

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW- 1	Seeley	321 Highland Ave.
PW- 2	Gilbert	323 Highland Ave.
PW- 3	Palermo	183 Commonwealth Ave.
PW- 4	Reynolds	196 Commonwealth Ave.
PW- 5	Mueller	221 Commonwealth Ave.
PW- 6	Planenga	228 Commonwealth Ave.
PW- 7	Carey	213 Commonwealth Ave.
PW- 8	Heilfurth	233 Commonwealth Ave.
PW- 9	Planenga (Replicate)	228 Commonwealth Ave.
PW-10	Carey (Field Blank)	213 Commonwealth Ave.
PW-11	Trip Blank	

The Duco and Dickerson wells were not sampled because the residents were not available. The samples will be analyzed for tetrachloroethylene by Princeton Testing Lab, Princeton, New Jersey using EPA Method 601 within 14 days.

In addition to potable well samples, water level readings were collected at as many homes as possible in the vicinity of General Switch. Water level measurements were taken from the top of the well casing, and are reported as groundwater elevations expressed in feet above sea level. The following table provides a list of all well locations and their corresponding water elevations.

<u>Owner</u>	<u>Water Elevation (ft)</u>	<u>Address</u>
General Switch	623.96	Industrial Place
Guild Motors	596.30	2 Industrial Place
Pitt	605.47	355 Highland Ave.
Viscardo	632.09	338 Highland Ave.
Gilbert	633.22	323 Highland Ave.
Seeley	612.36	321 Highland Ave.
Ogden	Refused Access	319 Highland Ave.
Knapp	601.48	317 Highland Ave.
Barry	604.04	309 Highland Ave.
Robanna	593.91	297 Highland Ave.
Estrada	592.87	286 Highland Ave.
Van Pelt	618.72	31 Electric Ave.
Wand	598.72	239 Watkins Ave.
Liborio	657.86	217 Watkins Ave.
Morse	627.73	190 Watkins Ave.
Holmes	620.47	175 Watkins Ave.
Reynolds	Refused Access	196 Commonwealth Ave.
Kehm	651.72	193 Commonwealth Ave.
Clausen	643.04	177 Commonwealth Ave.
Dickerson	590.97	173 Commonwealth Ave.
Ruppert	576.07	229 Commonwealth Ave.
Berry	581.79	210 Commonwealth Ave.

Princeton Service Center
U.S. Route 1
609-452-9050
TLX 84-3492



Princeton
Testing
Laboratory

P.O. Box 3108, Princeton, N.J. 08540



DATE: 1-14-80

Member

JOB NO. 42034

AUTHORIZATION: Verbal

SAMPLE: Water - 1

TO: ☐

Fred C. Hart Associates
530 Fifth Avenue
New York, NY 10036

☐ Attn: Alexis Alfasso

REPORT OF ANALYSIS

	Microgram/liter	
	IDL	Sample
Tetrachloroethylene		
PE#1	2	ND
PE#2	2	ND
PE#3	2	ND
PE#4	2	ND
PE#5	2	ND
PE#6	2	ND
PE#7	2	ND
PE#8	2	ND
PE#9	2	ND
PE#10 Field Blank	2	ND
PE#11 Trip Blank	2	ND

ND = Not Detected

William F. Pickard
William F. Pickard, Director
Organic Laboratory

William F. Pickard, Director

336 025

RECEIVED

FEB 19 1986

NYS DEC
REGION 3

Fred C. Hart Associates, Inc.

530 Fifth Avenue, New York, N.Y. 10036-5166 (212) 840-3990

To: FILE

Date: February 18, 1986

From: Tom Morahan

Subject:

The following people attended the meeting at EPA regarding
General Switch on February 4, 1986:

<u>NAME/Organization</u>	<u>PHONE NUMBER</u>
Louis A. Evans, NYSDEC	914-761-6660
Pat Wells, EPA	212-264-1216
✓ James Hardy, NYDEC	914-255-5453
Brian Jacot, HART	518-869-6192
Tom Morahan, HART	212-840-3990
Walter Stern, General Switch	914-342-5801
Martin Baker, Rosenman Colin	212-940-8810
Cheryl Adler, Rosenman Colin	212-940-8772

cc: The above

Fred C. Hart Associates, Inc.

530 Fifth Avenue, New York, N.Y. 10017-5166 (212) 840-3990

FILE COPY



Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

ATTN: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

1. Monthly Periodic Progress Report, 1/1/86 - 1/31/86.
2. Trip Report of January 22nd and 23rd Potable Well Sampling Campaign.
3. Trip Report of January 22nd and 23rd, Water Level Measurements.
4. Results of January 22nd and 23rd Potable Well Sampling.

Although we are under no obligation to take water level measurements at the Wallkill site at this time, we have continued the program noted in last month's report whereby we attempt to take such measurements each month during the potable well sampling campaign. We have included a memo outlining these efforts for the month of January.

The monthly report covers all of our activities for the month of January.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Brian Jacot

Brian Jacot
Geotechnical Services Manager

TJM/aa (A037d)

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation
Enclosures

(0768A)

February 14, 1986

RECEIVED

FEB 24 1986

NYS DEC
REGION 3

RECEIVED

FEB 19 1986

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE



GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

1/1/86 - 1/31/86

Work Efforts Completed to Date

In compliance with the Administrative Order on Consent issued to General Switch (GSC) on May 1, 1984, the following activities were conducted during the month of January 1986 on behalf of General Switch by Fred C. Hart Associates, Inc.

Section I-B

Results of the January 22nd and 23rd potable well sampling campaign were received on February 10, 1986 and are attached. The January 22nd and 23rd trip report is also provided as an attachment.

The next potable well sampling campaign will be conducted during the week of February 17-21, 1986.

M E M O R A N D U M

TO: Francie Barker
FROM: Jose L. Vega
RE: General Switch Potable Well Sampling and Water Level Elevations
DATE: January 29, 1986

On January 22 and 23, 1986, Michael Hickey and I sampled 8 potable wells in the vicinity of General Switch. In addition, one replicate, one field blank and trip blank were collected. The following provides a list of sample numbers and sampling locations.

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW- 1	Petrizzo	292 Highland Ave.
PW- 2	Nixdorf	293 Highland Ave.
PW- 3	Prior King Press	228 Watkins Ave.
PW- 4	MacEntee	227 Commonwealth Ave.
PW- 5	A. Brinkerhoff	197 Commonwealth Ave.
PW- 6	Reich	179 Commonwealth Ave.
PW- 7	Lieberman	186 Watkins Ave.
PW- 8	Pelinkas (Duco)	34 Park Ave.
PW- 9	Lieberman (Field Blank)	186 Watkins Ave.
PW-10	Reich (Replicate)	179 Commonwealth Ave.
PW-11	Trip Blank	

The Barry residence was not sampled, because they are hooked up to City water. Pryor's residence was not sampled, because the owner refused access. No sample was obtained from the Janiak residence, because no one was at home. The samples will be analyzed for tetrachloroethylene by Princeton Testing Lab, Princeton, New Jersey using EPA Method 601 within 14 days.

In addition to potable well samples, water level readings were collected at as many homes as possible in the vicinity of General Switch. Water level measurements were taken from the top of the well casing, and are reported as groundwater elevations expressed in feet above sea level. The following table provides a list of all well locations and their corresponding water elevations.

<u>Owner</u>	<u>Water Elevation (ft)</u>	<u>Address</u>
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Guild Motors	595.37	2 Industrial Place
Pitt	606.51	355 Highland Ave.
Viscardo	630.82	338 Highland Ave.
Gilbert	633.11	323 Highland Ave.
Seeley	610.15	321 Highland Ave.
Ogden	Refused Access	319 Highland Ave.
Knapp	603.27	317 Highland Ave.
Barry	603.19	309 Highland Ave.
Robanna	591.95	297 Highland Ave.
Estrada	593.22	286 Highland Ave.
Van Pelt	612.24	31 Electric Ave.
Wand	587.54	239 Watkins Ave.
Liborio	655.65	217 Watkins Ave.
Morse	593.87	190 Watkins Ave.
Holmes	617.06	175 Watkins Ave.
Reynolds	Refused Access	196 Commonwealth Ave.
Kehm	650.76	193 Commonwealth Ave.
Clausen	642.83	177 Commonwealth Ave.
Dickerson.	587.83	173 Commonwealth Ave.
Ruppert	590.99	229 Commonwealth Ave.
Berry	582.80	210 Commonwealth Ave.

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Princeton
Testing
Laboratory



TO: Fred C. Hart Associates
530 Fifth Avenue
New York, New York 10036
Att: Alexis Alfasso

DATE: February 3, 1986

JOB NO. 86GC0228

AUTHORIZATION: verbal/Alfasso
(Vega)

SAMPLE: Water - 11

REPORT OF ANALYSIS

Page 1 of 2

Tetrachloroethylene

Method Detection
Limit

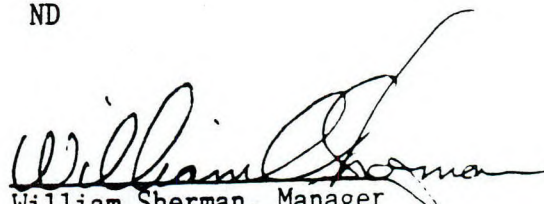
Sample

Micrograms/liter

Sample PW #1	2	ND
PW 2	2	ND
PW 3	2	ND
PW 4	2	ND
PW 5	2	ND
PW 6	2	ND
PW 7	2	ND
PW 8	2	ND
PW 9 (F. Blank)	2	ND
PW 10	2	ND
PW 11 (T. Blank)	2	ND

Rec'd. 1/24/86

WS/rk


William Sherman, Manager
Organic Laboratory



COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

Department of Health

124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

RECEIVED

January 16, 1986

JAN 17 1986

ADMINISTRATIVE UNIT
REGION #3

RECEIVED

JAN 17 1986

NYSDEC
New Paltz

Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, N.Y. 10278

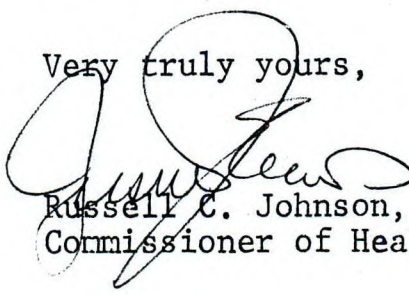
Att'n: Patricia Wells
Project Officer, Wallkill Site

Gentlemen:

Residents on Highland Avenue who believe it is still necessary to drink bottled water have requested that their wells be tested. I am not in a position to advise them that they have a source of safe water for human consumption and would therefore appreciate it your including the following wells in your next round of tests:

Petrizzo	292 Highland Avenue
Nixdorf	293 Highland Avenue
Janiak	295 Highland Avenue
Barry	309 Highland Avenue
Pryor	409A Highland Avenue

Very truly yours,


Russell C. Johnson, M.D.
Commissioner of Health

RCJ/sb

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC
A. Reilley, NYSDOH
M. J. Schleifer, OCHD

336 025
Fred C. Hart Associates, Inc.



Chief, Hazardous Waste Site Branch
Office of Emergency & Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Suite 402
New York, NY 10278

ATTN: Patricia Wells
Project Officer, Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

1. Monthly Periodic Progress Report, 12/1/85 - 12/31/85.
2. Trip Report of December 19th and 20th Potable Well Sampling Campaign.
3. Trip Report of December 19th and 20th Water Level Measurements.
4. Results of December 19th and 20th Potable Well Sampling.

Although we are under no obligation to take water level measurements at the Wallkill site at this time, we have continued the program noted in last month's report whereby we attempt to take such measurements each month during the potable well sampling campaign. We have included a memo outlining these efforts for the month of December.

The monthly report covers all of our activities for the month of December with the exception of the submission of a proposed remediation plan to the New York State Department of Environmental Conservation on December 20, 1986.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Thomas J. Morahan
Project Manager
Water Resources Group

TJM/aa(A037d)0621A

cc: Director, Division of Solid & Hazardous Waste, NYSDEC
Commissioner of Health, Orange County Department of Health
Walter Stern, President, General Switch Corporation
Enclosures

RECEIVED

JAN 24 1986

NYSDEC
New Patz

NHN
Copy H507
CN6

Reg 3
P. Keller
A. Klatte
R. Gaudin

GENERAL SWITCH CORPORATION
MIDDLETOWN, NEW YORK

MONTHLY PERIODIC PROGRESS REPORT

12/1/85 - 12/31/85

Work Efforts Completed to Date

In compliance with the Administrative Order on Consent issued to General Switch (GSC) on May 1, 1984, the following activities were conducted during the month of December 1985 on behalf of General Switch by Fred C. Hart Associates, Inc.

Section I-B

Results of the December 19th and 20th potable well sampling campaign were received on January 10, 1986 and are attached. The December 19th and 20th trip report is also provided as an attachment.

The next potable well sampling campaign will be conducted during the week of January 20-24, 1986.