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ANNUAL GROUNDWATER REPORT  
FREEMAN CHEMICAL CORPORATION  
SAUKVILLE, WISCONSIN

1988?

Prepared by:

Hatcher-Sayre, Inc.  
Richmond, Virginia  
Job No. 0001-003

December 16, 1988

## INTRODUCTION

The current program at Freeman Chemical Corporation's Saukville Plant consisted of quarterly groundwater monitoring for December 1987, April 1988, July 1988, and October 1988. The July 1988 sampling period represents the annual sampling event. Water quality test results (EPA Method 624 HSL volatile organics) and also water level data have been submitted previously to USEPA and WDNR on a quarterly basis. Quarterly results since the July 1988 sampling have also been submitted to WDNR by Freeman Chemical Corporation on forms provided by WDNR. This will be continued for all future quarterly rounds of sampling. The intent of this annual report is to summarize the data collected during the past year and to make pertinent evaluations and recommendations.

## GROUNDWATER MONITORING

Water level readings have been recorded for each monitoring well in the current sampling program. These water level readings have been used to construct quarterly potentiometric surface maps for both the glacial aquifer and the Dolomite aquifer. These maps are included in Appendix A. During the sampling period, a number of the glacial wells were dry and they are listed in Table 1. Freeman Chemical Corporation also maintains a daily record of running times of various pumping wells and this information is presented in Table 2.

Examination of the potentiometric maps for the glacial aquifer shows that groundwater gradients beyond the limits of the three Ranney collectors are generally to the east toward the Milwaukee River. Deflections in the contours represent the impact of pumping associated with the Ranney collectors. As indicated in Table 2, pumping of the Ranney collectors has not been continuous and this is attributed to declining water levels in the glacial aquifer. Further explanation is presented later in the Evaluation section of the report.

**TABLE 1  
LIST OF DRY GLACIAL WELLS**

<u>Quarter</u>	<u>Dry Wells</u>
December 1987	16A, 43, 44, 45, and 48
April 1988	16A, 43, 44, 45, and 48
July 1988	4A, 16A, 41, 43, 44, 45, 46, and 48
October 1988	4A, 16A, 41, 43, 44, 45, 46, and 48

Note: Monitoring wells 4A and 16A are sampled annually. Water level measurements were, however, taken during quarterly odor monitoring at these two locations.

drywell.tab

Table 2  
Summary of Well Running Times

Below is a summary for the well operation (running times) of the various dolomite wells, shallow wells, and Ranney Collectors since timers were installed in mid-November, 1987. This information has been compiled by Freeman Chemical Corporation in conjunction with their frequent monitoring (daily during the working week) of the systems.

<u>WELL I.D.</u>	<u>TOTAL RUNNING TIME</u>	<u>WEEKLY AVERAGE</u>	<u>DAILY AVERAGE</u>	<u>LAST DATE OPERATION</u>	<u>COMMENT</u>
W28	246 hr.54 min.	5 hr.30 min.	48 min.	9/20/88	Intermittent Pumping
W24	4293 hr.30 min.	97 hr.30 min.	13 hr.19 min.	10/1/88	Presently runs 24 hr./day, since 4/10/88
W21	657 hr.48 min.	14 hr.54 min.	2 hr.6 min.	9/21/88	Few minutes a week since 4/4/88
W29	36 hr.6 min.	48 min.	6 min.	10/1/88	Fairly consistent
RC1	343 hr.12 min.	7 hr.42 min.	1 hr.6min.	9/9/88	Not run for month despite rainfall
RC2	2745 hr.12 min.	62 hr.18 min.	8 hr.54 min.	5/16/88	Not run since May. Thus it ran 15 hr. average per day until then.
W31	0 min.	0 min.	0 min.	Never	Never ran
W32	0 min.	0 min.	0 min.	Never	Never ran
W33	15 hr.30 min.	18 min.	3 min.	9/26/88	Ran once since June 1
W34	92 hr.	2 hr.	18 min.	10/1/88	Fairly true. Drop since 5/15/88.

<u>WELL I.D.</u>	<u>TOTAL RUNNING TIME</u>	<u>WEEKLY AVERAGE</u>	<u>DAILY AVERAGE</u>	<u>LAST DATE OPERATION</u>	<u>COMMENT</u>
W35	8 hr. 24 min.	12 min.	1 min. 30 s.	6/2/88	No time since June 1.
RC3	1197 hr.12 min.	27 hr.12 m.	3 hr.54 min.	10/1/88	Sporadic operation. Runs much. Then limited.
W37	186 hr.18 min.	4 hr.12 min.	36 min.	10/1/88	Significant drop since April 4 in average time.

- NOTE: 1) The wells were listed as to Dolomite (28, 24, 21, 29), and Ranney collectors and associated shallow wells (RC1; RC2 + W31, W32, W33, W34, W35; RC3 + W37)
- 2) The total running time represents the time since mid-November, 1987 until October 1, 1988. Running times are recorded daily and reported appropriately.
- 3) The weekly average accounts for the 44-week period since last November.
- 4) The daily average represents the 308 days elapsed since last November.
- 5) The last date of operation represents the last known date a respective timer registered running time for the particular well.

It is important to understand that the above averages are under the "ideal" notion that there is running time each week and/or day. However, the above facts bear out that this is not the case. Many wells have not run at all, have run intermittently, or have stopped running after previously operating.

The potentiometric maps for the Dolomite aquifer clearly demonstrate the influence of pumping Well W-30, as gradients are toward this pumping center. Shallow dolomite wells W-21, W-24, W-28 and W-29 also have some local influence on the water table, however, they are not pumped as continuously or at as great a capacity as W-30. As indicated in Table 2, their pumping periods are considerably less than W-30, which is pumped continuously at approximately 400 gpm.

#### WATER QUALITY DATA

Water quality data generated for the past year has been summarized in table form for each well monitored and is included in Appendix B. Testing was for 624 HSL volatile organics. Information presented in Appendix B is also provided on total volatile organics concentration maps for both the glacial aquifer and the Dolomite aquifer. This data is included in Appendix C. It is important to note that VOC maps for the glacial aquifer do not include data for the Ranney collectors. Results reported for these three wells actually represent results for composite samples of groundwater collected from the various Ranney collection lines each of which discharges to a control sump in each system. Consequently, water quality cannot be accurately represented on the maps for these three wells.

Review of the water quality data for the glacial wells indicates a general reduction in total VOCs in the vicinity of RC-1 and RC-3. Significant VOC concentrations were detected in RC-2, W-37, W-42, and W-47, perhaps indicating movement of contaminants toward the nearest collector well. No distinct trends can be identified in the remaining wells either due to variations in VOC concentrations or because wells were dry and, thus, could not be sampled.

Data for the dolomite wells indicates significant reduction in total VOC concentrations for Wells W-21A, W-29, W-30, W-38, and W-40. It is believed that this reduction demonstrates the effectiveness of the remediation as a result of pumping Well

W-30. Non-detectable results were reported for Village wells, MW-1, MW-2, and MW-3. Data was obtained for MW-4 only for the Summer quarter and total VOC concentrations of 5.7 µg/l were detected.

## EVALUATION

The movement of the plume in the glacial aquifer appears to be effected by seasonal fluctuations in the water table. This, in turn, effects the efficiency of the Ranney collectors. However, there is not enough data available at this time to delineate trends. Both the potentiometric contours and the concentration isopleths appear to cross the Ranney collector lines at right angles indicating that the more porous materials in the Ranney collector trenches are inducing groundwater/contaminant flow towards the collector points.

The pumping of the present remedial dolomite wells appears to be minimizing the downgradient migration of the plume in the Dolomite aquifer. This appears to be primarily related to the shift in gradient induced by the high pumping rate at Well W-30. There is not enough data available at present to accurately predict the rate of remediation in the Dolomite aquifer.

Data presented in this annual report reflects the impact of the recently implemented remediation system. Generally, it appears that the systems are working as intended, particularly, the pumping of the Dolomite aquifer. It is evident that insufficient data has been developed to date from a number of the glacial wells because they have been dry. In order to more accurately monitor and understand the remediation system, it will be necessary to develop a better understanding of the local groundwater regime. Of particular interest, is whether or not there is hydraulic interaction between the Dolomite aquifer and the overlying glacial aquifer. This information can be developed once the aquifer test program proposed in the December 16, 1988, Task 3A, 3B, 3C, Work Plan is implemented. It is obvious that pumps will have to be lowered in a number of the dry wells, where

possible, in order to obtain water samples. Pumps will also have to be lowered in those shallow dolomite wells that are pumping only intermittently. Determination of the proper pump depths will be made after completion and evaluation of the aquifer test program.

Existence of dry glacial wells is attributed to several factors. First, an extensive drought was experienced in the State of Wisconsin this past year. The lower water level readings and dry wells may reflect the impact of this drought. Second, it is possible that the extensive pumping of the Dolomite aquifer by Well W-30 may, in fact, be lowering both the glacial aquifer, as well as, the Dolomite aquifer. This assumes that the Dolomite aquifer and overlying glacial aquifer are hydraulically interconnected and that with long-term pumping, dewatering of the overburden is actually occurring. Again, this will be more accurately evaluated upon completion of the proposed aquifer test.

annrept.fcc



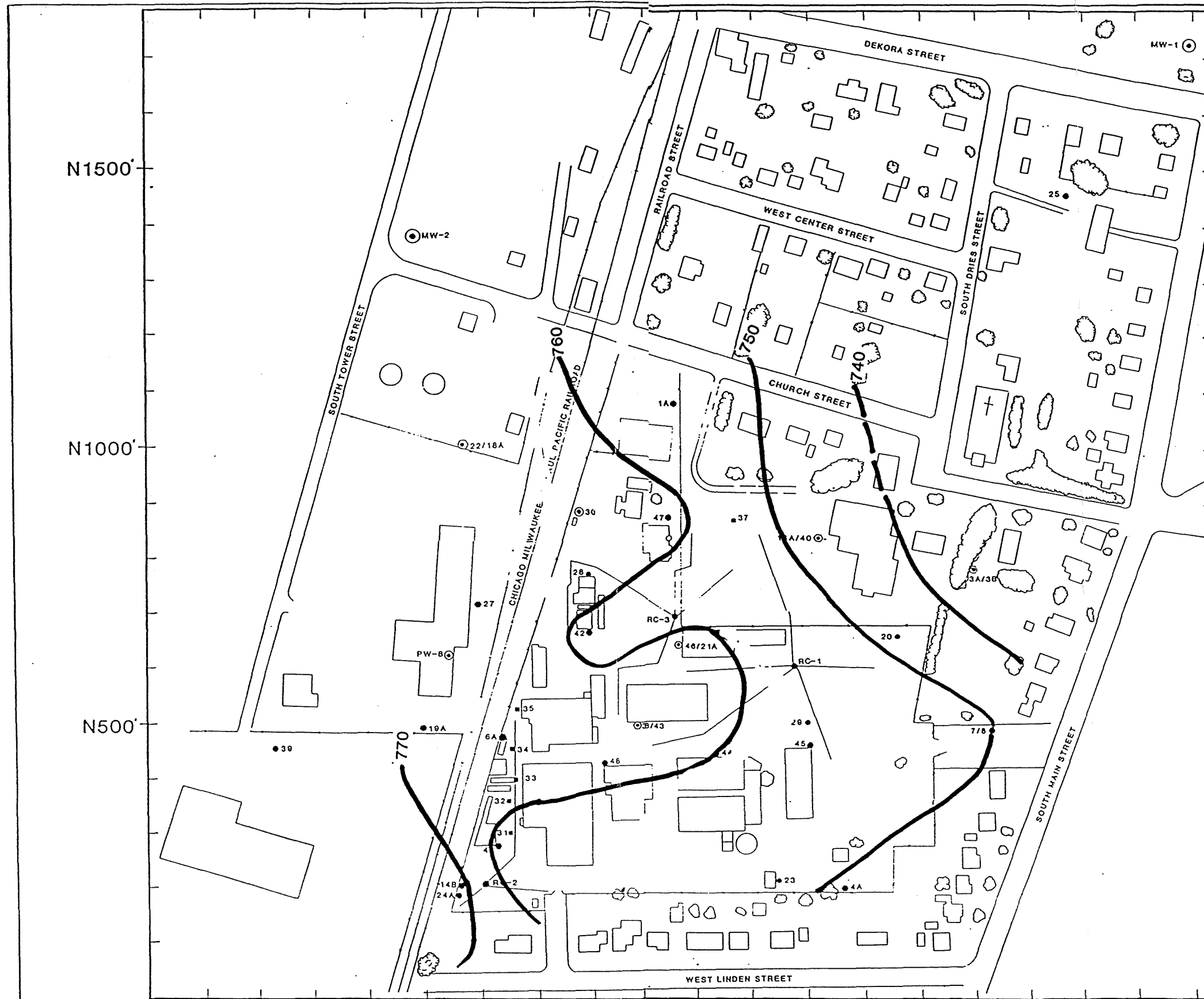
APPENDIX A  
POTENTIOMETRIC MAPS

Glacial Aquifer

- 1) December 7, 1987
- 2) April 4, 1988
- 3) July 18, 1988
- 4) October 11, 1988

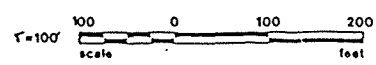
Dolomite Aquifer

- 1) December 7, 1987
- 2) April 4, 1988
- 3) July 18, 1988
- 4) October 11, 1988

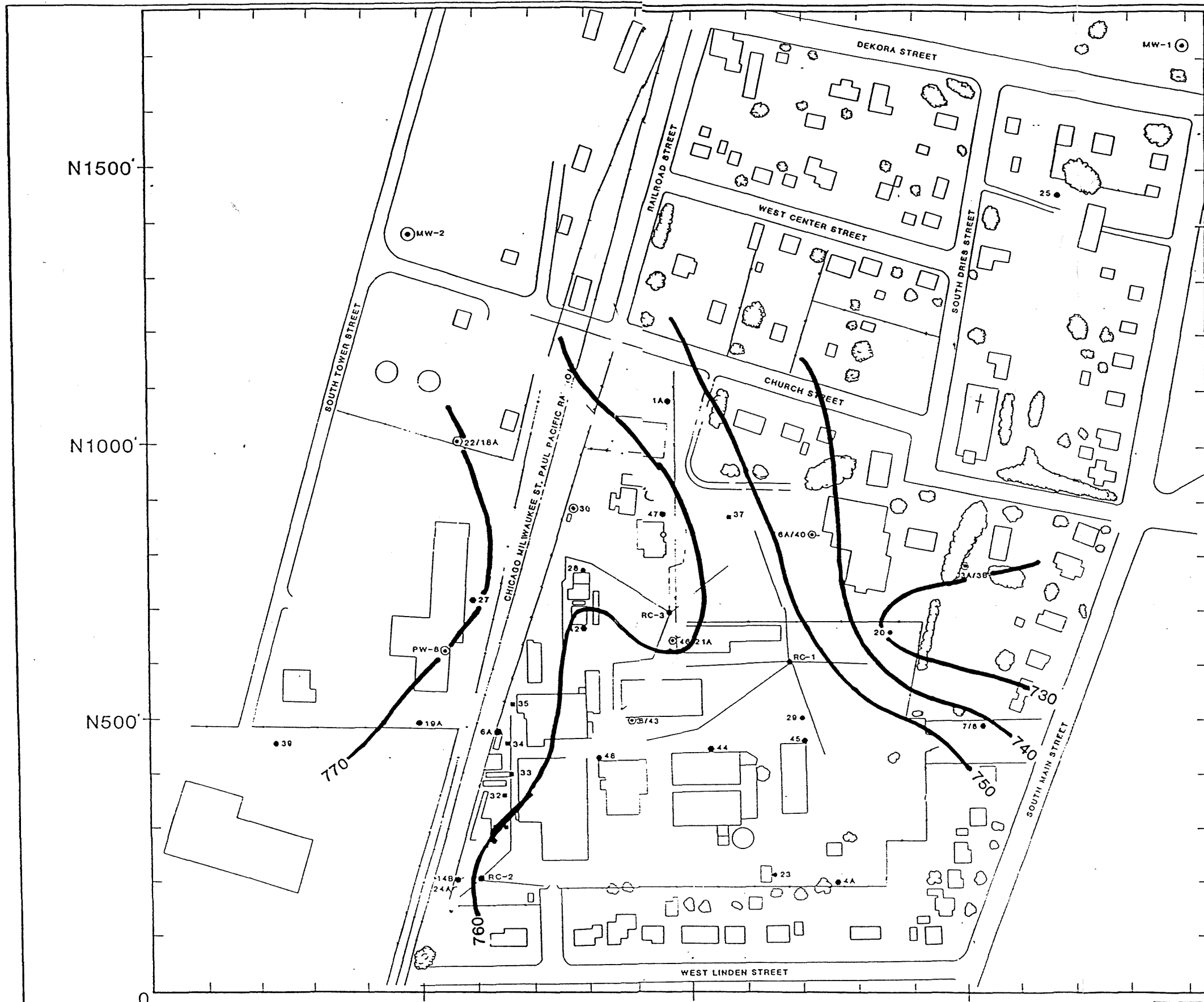


- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊖ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
- 750 GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
GLACIAL WELLS FOR DECEMBER 7, 1987

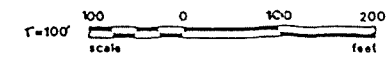


Freeman Chemical Co. Saukville, Wisconsin		
MONITORING WELL LOCATION MAP		
Date: 12/4/86	REVISED 12-16-88	Drawn By: C.E.W.
Scale: As Noted		Approved By: G.L.B.
<b>HATCHER-SAYRE, INC.</b>		
Job No.: 0001-003		Drawing No.: H-018

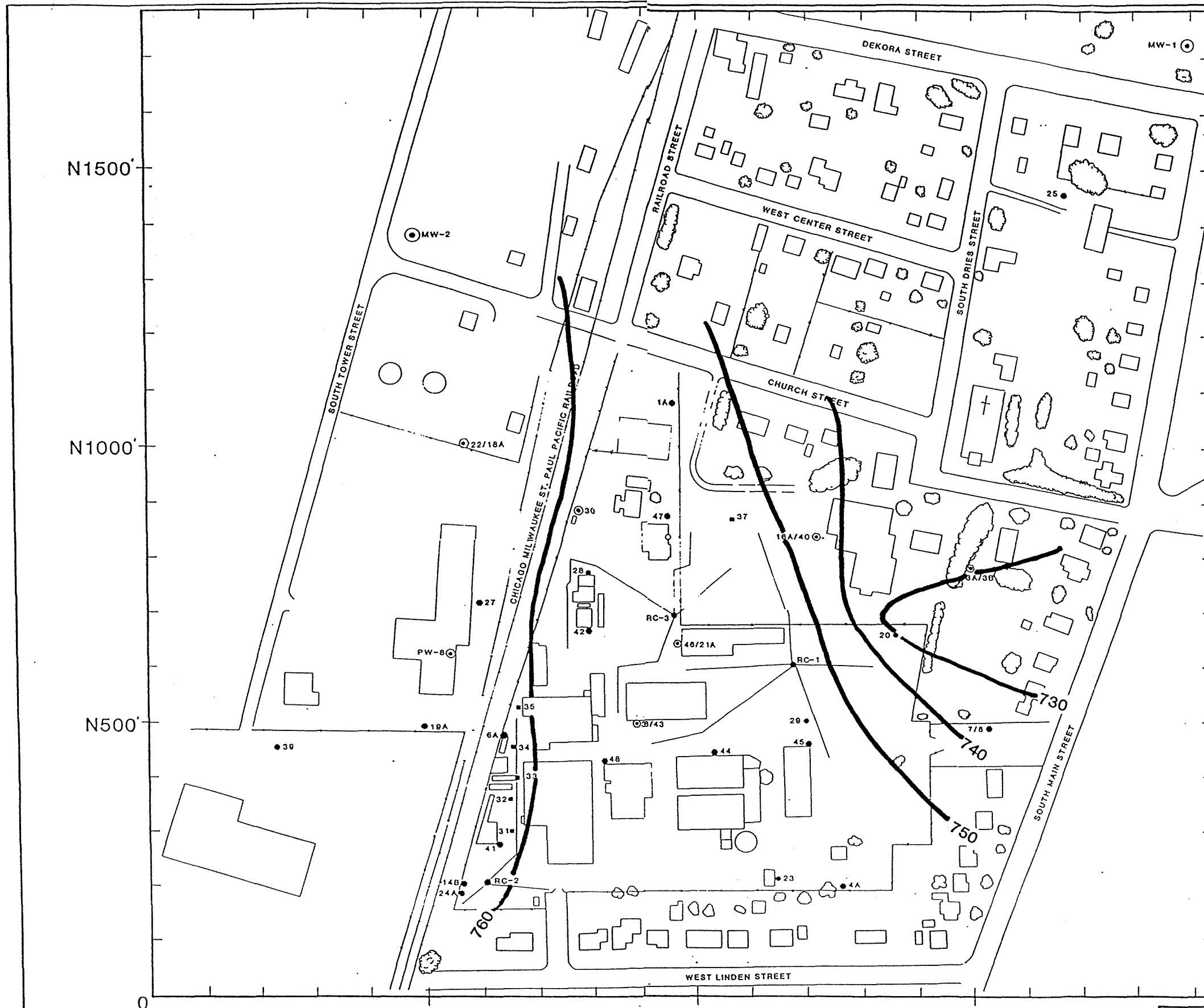


- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
  - 760 — GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
GLACIAL WELLS FOR APRIL 4, 1988



Freeman Chemical Co. Saukville, Wisconsin MONITORING WELL LOCATION MAP		
Date: 12/4/88	<b>REVISED 12-16-88</b>	Drawn By: C.E.W.
Scale: As Noted		Approved By: G.L.B.
<b>HATCHER-SAYRE, INC.</b>		
Job No.: 0001-003		Drawing No.: H-018

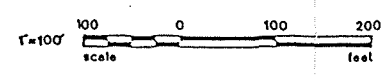


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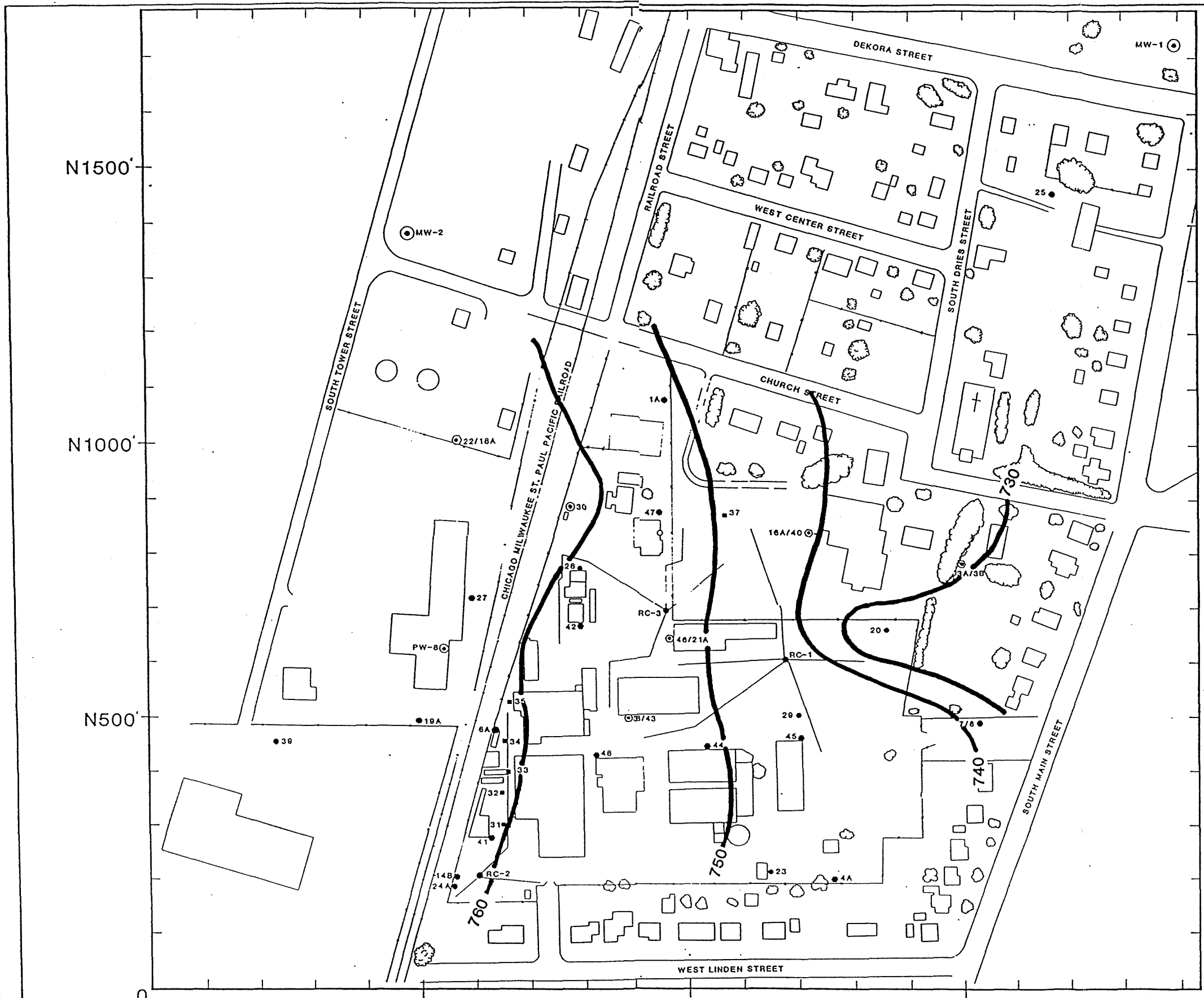
- ⊙ DEEP DOLOMITE WELL
- SHALLOW DOLOMITE WELL
- GLACIAL OVERBURDEN WELL
- GLACIAL OVERBURDEN WITHDRAWAL WELL
- ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
- RANNEY TYPE COLLECTOR

750' GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
GLACIAL WELLS FOR JULY 18, 1988

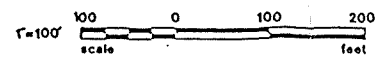


Freeman Chemical Co. Saukville, Wisconsin MONITORING WELL LOCATION MAP		
Date: 12/4/86	REVISED 12-16-88	Drawn By: C.E.W.
Scale: As Noted		Approved By: G.L.B.
HATCHER-SAYRE, INC.		
Job No.: 0001-003		Drawing No.: H-018

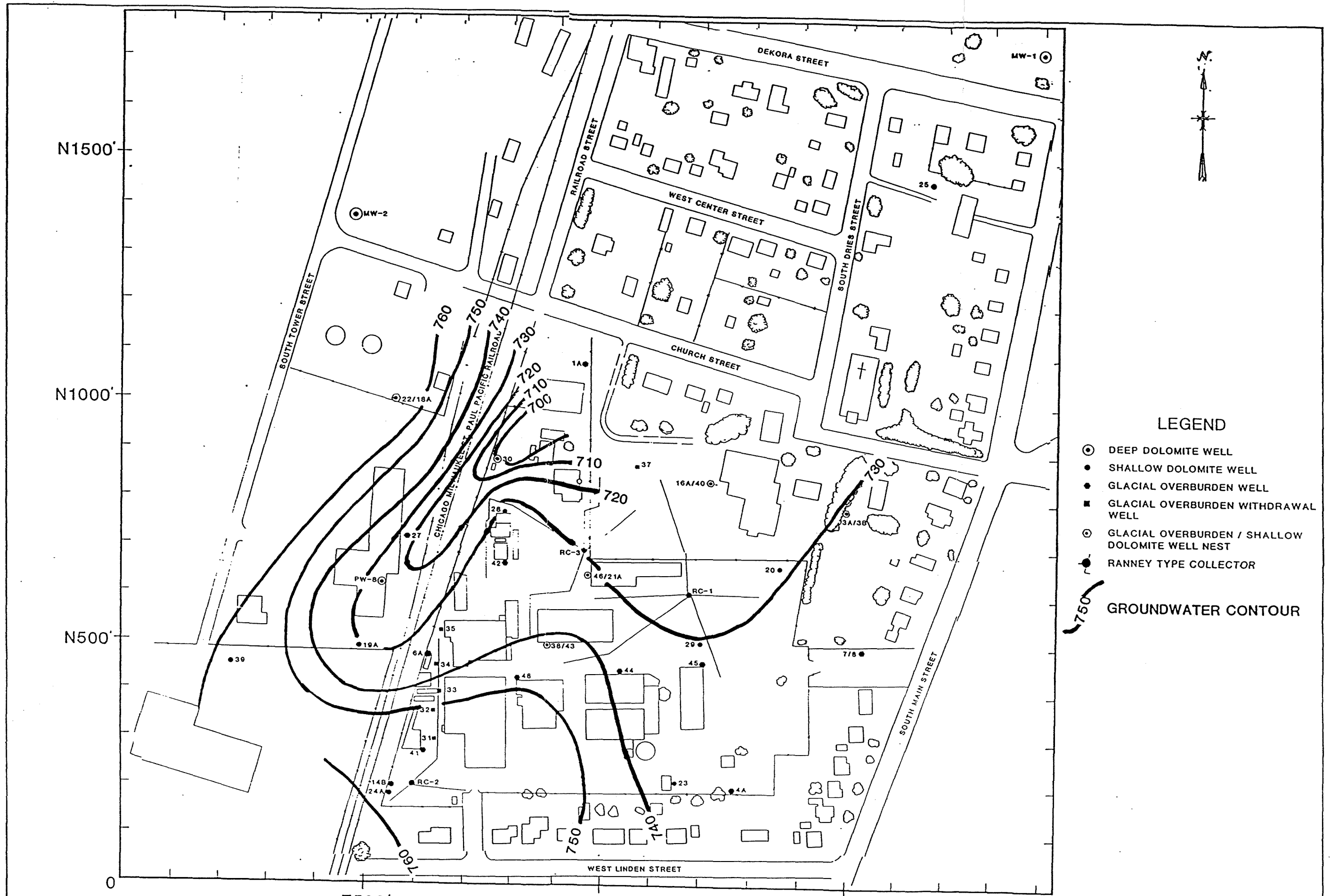


- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - ⊙ RANNEY TYPE COLLECTOR
  - 750 — GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
GLACIAL WELLS FOR OCTOBER 11, 1988



Freeman Chemical Co. Saukville, Wisconsin		
MONITORING WELL LOCATION MAP		
Date: 12/4/88	REVISED 12-16-88	Drawn By: C.E.W.
Scale: As Noted		Approved By: G.L.B.
<b>HATCHER-SAYRE, INC.</b>		
Job No.: 0001-003		Drawing No.: H-018

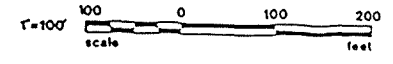


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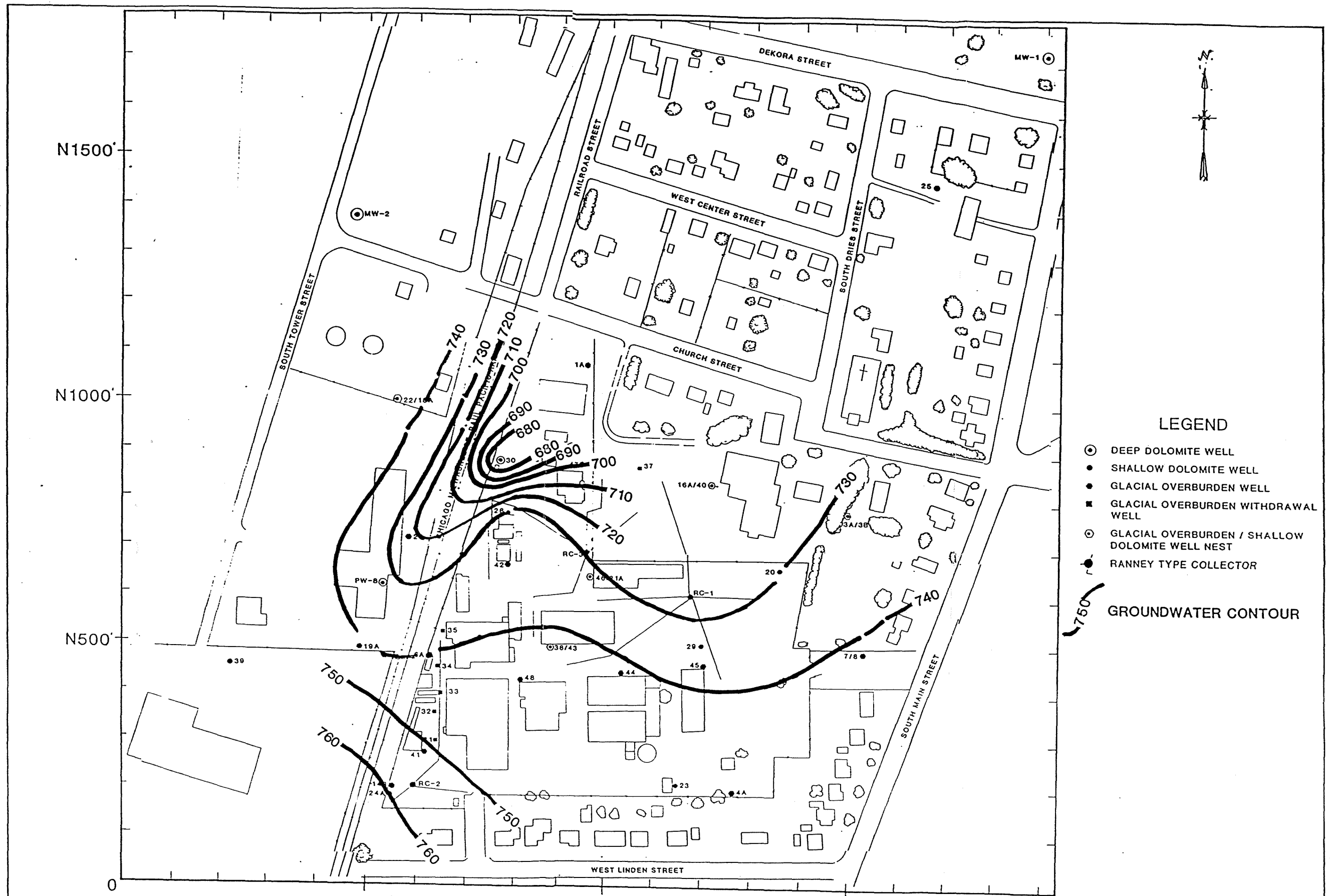
- DEEP DOLOMITE WELL
- SHALLOW DOLOMITE WELL
- GLACIAL OVERBURDEN WELL
- GLACIAL OVERBURDEN WITHDRAWAL WELL
- GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
- RANNEY TYPE COLLECTOR

750  
 ~~~~~  
 GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
 DOLOMITE WELLS FOR DECEMBER 7, 1987

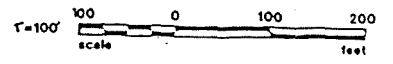


|                                                                                     |                         |                     |
|-------------------------------------------------------------------------------------|-------------------------|---------------------|
| <b>Freeman Chemical Co.</b><br>Saukville, Wisconsin<br>MONITORING WELL LOCATION MAP |                         |                     |
| Date: 12/4/88                                                                       | <b>REVISED 12-16-88</b> | Drawn By: C.E.W.    |
| Scale: As Noted                                                                     |                         | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                                                          |                         |                     |
| Job No.: 0001-003                                                                   |                         | Drawing No.: H-018  |



POTENTIOMETRIC MAP,  
DOLOMITE WELLS FOR APRIL 4, 1988

- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊖ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
  - GROUNDWATER CONTOUR



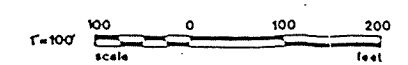
|                                              |                  |                       |
|----------------------------------------------|------------------|-----------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                       |
| MONITORING WELL LOCATION MAP                 |                  |                       |
| Date: 12/4/88                                | REVISED 12-16-88 | Drawn By: C.E.W.      |
| Scale: As Noted                              |                  | Approved By: G.L.B.   |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                       |
| Job No.:<br>0001-003                         |                  | Drawing No.:<br>H-018 |



**LEGEND**

- ⊙ DEEP DOLOMITE WELL
- SHALLOW DOLOMITE WELL
- GLACIAL OVERBURDEN WELL
- GLACIAL OVERBURDEN WITHDRAWAL WELL
- ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
- RANNEY TYPE COLLECTOR
- 750' GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
DOLOMITE WELLS FOR JULY 18, 1988



|                                              |                  |                       |
|----------------------------------------------|------------------|-----------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                       |
| MONITORING WELL LOCATION MAP                 |                  |                       |
| Date: 12/4/88                                | REVISED 12-16-88 | Drawn By: C.E.W.      |
| Scale: As Noted                              |                  | Approved By: G.L.B.   |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                       |
| Job No.:<br>0001-003                         |                  | Drawing No.:<br>H-018 |



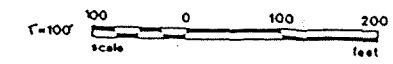


**LEGEND**

- ⊙ DEEP DOLOMITE WELL
- SHALLOW DOLOMITE WELL
- GLACIAL OVERBURDEN WELL
- GLACIAL OVERBURDEN WITHDRAWAL WELL
- ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
- RANNEY TYPE COLLECTOR
- GROUNDWATER CONTOUR

POTENTIOMETRIC MAP,  
DOLOMITE WELLS FOR OCTOBER 11, 1988

|                                                                                            |                  |                     |
|--------------------------------------------------------------------------------------------|------------------|---------------------|
| <b>Freeman Chemical Co.</b><br>Saukville, Wisconsin<br><b>MONITORING WELL LOCATION MAP</b> |                  |                     |
| Date: 12/4/88                                                                              | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                                                                            |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                                                                 |                  |                     |
| Job No.: 0001-003                                                                          |                  | Drawing No.: H-018  |



**APPENDIX B**

**Summary of Water Quality Data  
Glacial & Dolomite Wells  
(EPA Method 624 HSL Volatile Organics)**

**SUMMARY OF QUARTERLY DATA**

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. RC-1

| Sampling Date             | 12/87       | 4/88        | 7/88        | 10/88       |
|---------------------------|-------------|-------------|-------------|-------------|
| <u>Compound</u>           | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u> |
| Chloromethane             | <1000       | <500        | <500        | <2500       |
| Bromomethane              | <1000       | <500        | <500        | <2500       |
| Vinyl Chloride            | <1000       | <500        | <500        | <2500       |
| Chloroethane              | <1000       | <500        | <500        | <2500       |
| Methylene Chloride        | <1000       | <500        | <500        | <2500       |
| Acetone                   | <10000      | <2500       | <2500       | <12000      |
| Carbon Disulfide          | <200        | <100        | <100        | <500        |
| 1,1-Dichloroethene        | <200        | <100        | <100        | <500        |
| 1,1-Dichloroethane        | <200        | <100        | <100        | <500        |
| trans-1,2-Dichloroethene  | 650         | <100        | 2500        | <500        |
| Chloroform                | <200        | <100        | <100        | <500        |
| 1,2-Dichloroethane        | <200        | <100        | <100        | <500        |
| 2-Butanone                | <2000       | <1000       | <1000       | <5000       |
| 1,1,1-Trichloroethane     | <200        | <100        | <100        | <500        |
| Carbon Tetrachloride      | <200        | <100        | <100        | <500        |
| Vinyl Acetate             | <2000       | <1000       | <1000       | <5000       |
| Bromodichloromethane      | <200        | <100        | <100        | <500        |
| 1,1,2,2-Tetrachloroethane | <200        | <100        | <100        | <500        |
| 1,2-Dichloropropane       | <200        | <100        | <100        | <500        |
| trans-1,3-Dichloropropene | <200        | <100        | <100        | <500        |
| Trichloroethene           | <200        | <100        | <100        | <500        |
| Dibromochloromethane      | <200        | <100        | <100        | <500        |
| 1,1,2-Trichloroethane     | <200        | <100        | <100        | <500        |
| Benzene                   | 3300        | 1000        | 400         | <500        |
| cis-1,3-Dichloropropene   | <200        | <100        | <100        | <500        |
| 2-Chloroethylvinylether   | <2000       | <1000       | <1000       | <5000       |
| Bromoform                 | <200        | <100        | <100        | <500        |
| 2-Hexanone                | <2000       | <1000       | <1000       | <5000       |
| 4-Methy-2-Pentanone       | <2000       | <1000       | <1000       | <5000       |
| Tetrachlorethene          | <200        | <100        | <100        | <500        |
| Toluene                   | 45000       | 18000       | 20000       | 13000       |
| Chlorobenzene             | <200        | <100        | <100        | <500        |
| Ethylbenzene              | 21000       | 16000       | 19000       | 6000        |
| Styrene                   | <200        | 3800        | <100        | <500        |
| Total Xylenes             | 88000       | 67000       | 59000       | 31000       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. RC-2

| Sampling Date             | 12/87 | 4/88 | 7/88    | 10/88 |
|---------------------------|-------|------|---------|-------|
| Compound                  | ug/L  | ug/L | ug/L    | ug/L  |
| Chloromethane             | <5    | <50  | <50000  |       |
| Bromomethane              | <5    | <50  | <50000  |       |
| Vinyl Chloride            | 51    | <50  | <50000  |       |
| Chloroethane              | <5    | <50  | <50000  |       |
| Methylene Chloride        | <5    | <50  | <120000 |       |
| Acetone                   | <50   | <250 | <120000 |       |
| Carbon Disulfide          | <1    | <50  | <25000  |       |
| 1,1-Dichloroethene        | <1    | <10  | <25000  |       |
| 1,1-Dichloroethane        | <1    | <10  | <25000  |       |
| trans-1,2-Dichloroethene  | 76    | 27   | <25000  |       |
| Chloroform                | <1    | <10  | <25000  |       |
| 1,2-Dichloroethane        | <1    | <10  | <25000  |       |
| 2-Butanone                | <10   | <100 | <120000 |       |
| 1,1,1-Trichloroethane     | <1    | <10  | <25000  |       |
| Carbon Tetrachloride      | <1    | <10  | <25000  |       |
| Vinyl Acetate             | <10   | <100 | <50000  |       |
| Bromodichloromethane      | <1    | <10  | <25000  |       |
| 1,1,2,2-Tetrachloroethane | <1    | <10  | <25000  |       |
| 1,2-Dichloropropane       | <1    | <10  | <25000  |       |
| trans-1,3-Dichloropropene | <1    | <10  | <25000  |       |
| Trichloroethene           | <1    | <10  | <25000  |       |
| Dibromochloromethane      | <1    | <10  | <25000  |       |
| 1,1,2-Trichloroethane     | <1    | <10  | <25000  |       |
| Benzene                   | <1    | <10  | <25000  |       |
| cis-1,3-Dichloropropene   | <1    | <10  | <25000  |       |
| 2-Chloroethylvinylether   | <10   | <100 | <50000  |       |
| Bromoform                 | <1    | <10  | <25000  |       |
| 2-Hexanone                | <10   | <100 | <50000  |       |
| 4-Methy-2-Pentanone       | <10   | <100 | <50000  |       |
| Tetrachlorethene          | <1    | <10  | <25000  |       |
| Toluene                   | 64    | 32   | <25000  |       |
| Chlorobenzene             | <1    | <10  | <25000  |       |
| Ethylbenzene              | 110   | <10  | 43000   |       |
| Styrene                   | <1    | <10  | <25000  |       |
| Total Xylenes             | 1400  | 490  | 150000  |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. RC-3

| Sampling Date             | 12/87       | 4/88        | 7/88        | 10/88       |
|---------------------------|-------------|-------------|-------------|-------------|
| <u>Compound</u>           | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u> |
| Chloromethane             | <500        | <5000       | <500        | <2500       |
| Bromomethane              | <500        | <5000       | <500        | <2500       |
| Vinyl Chloride            | <500        | <5000       | <500        | <2500       |
| Chloroethane              | <500        | <5000       | <500        | <2500       |
| Methylene Chloride        | <500        | <5000       | <500        | <2500       |
| Acetone                   | <5000       | <25000      | <2500       | <12000      |
| Carbon Disulfide          | <100        | <1000       | <100        | <500        |
| 1,1-Dichloroethene        | <100        | <1000       | <100        | <500        |
| 1,1-Dichloroethane        | <100        | <1000       | <100        | <500        |
| trans-1,2-Dichloroethene  | <100        | <1000       | 460         | <500        |
| Chloroform                | <100        | <1000       | <100        | <500        |
| 1,2-Dichloroethane        | <100        | <1000       | <100        | <500        |
| 2-Butanone                | <1000       | <10000      | <1000       | <5000       |
| 1,1,1-Trichloroethane     | <100        | <1000       | <100        | <500        |
| Carbon Tetrachloride      | <100        | <1000       | <100        | <500        |
| Vinyl Acetate             | <1000       | <10000      | <1000       | <5000       |
| Bromodichloromethane      | <100        | <1000       | <100        | <500        |
| 1,1,2,2-Tetrachloroethane | <100        | <1000       | <100        | <500        |
| 1,2-Dichloropropane       | <100        | <1000       | <100        | <500        |
| trans-1,3-Dichloropropene | <100        | <1000       | <100        | <500        |
| Trichloroethene           | <100        | <1000       | <100        | <500        |
| Dibromochloromethane      | <100        | <1000       | <100        | <500        |
| 1,1,2-Trichloroethane     | <100        | <1000       | <100        | <500        |
| Benzene                   | 1400        | <1000       | 1000        | <500        |
| cis-1,3-Dichloropropene   | <100        | <1000       | <100        | <500        |
| 2-Chloroethylvinylether   | <1000       | <10000      | <1000       | <5000       |
| Bromoform                 | <100        | <1000       | <100        | <500        |
| 2-Hexanone                | <1000       | <10000      | <1000       | <5000       |
| 4-Methy-2-Pentanone       | <1000       | <10000      | <1000       | <5000       |
| Tetrachlorethene          | <100        | <1000       | <100        | <500        |
| Toluene                   | 24000       | 24000       | 25000       | 16000       |
| Chlorobenzene             | <100        | <1000       | <100        | <500        |
| Ethylbenzene              | 16000       | 9000        | 20000       | 8200        |
| Styrene                   | <100        | <1000       | <100        | <500        |
| Total Xylenes             | 42000       | 44000       | 110000      | 42000       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D.        MW-1       

| Sampling Date             | 12/87       | 4/88        | 7/88        | 10/88       |
|---------------------------|-------------|-------------|-------------|-------------|
| <u>Compound</u>           | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u> |
| Chloromethane             | <5          | <5          | <2          | <10         |
| Bromomethane              | <5          | <5          | <2          | <10         |
| Vinyl Chloride            | <5          | <5          | <2          | <10         |
| Chloroethane              | <5          | <5          | <2          | <10         |
| Methylene Chloride        | <5          | <5          | <25         | <25         |
| Acetone                   | <50         | <25         | <25         | <25         |
| Carbon Disulfide          | <1          | <1          | <1          | <1          |
| 1,1-Dichloroethene        | <1          | <1          | <1          | <1          |
| 1,1-Dichloroethane        | <1          | <1          | <1          | <1          |
| trans-1,2-Dichloroethene  | <1          | <1          | <1          | <1          |
| Chloroform                | <1          | <1          | <1          | <1          |
| 1,2-Dichloroethane        | <1          | <1          | <1          | <1          |
| 2-Butanone                | <10         | <10         | <25         | <10         |
| 1,1,1-Trichloroethane     | <1          | <1          | <1          | <1          |
| Carbon Tetrachloride      | <1          | <1          | <1          | <1          |
| Vinyl Acetate             | <10         | <10         | <2          | <10         |
| Bromodichloromethane      | <1          | <1          | <1          | <1          |
| 1,1,2,2-Tetrachloroethane | <1          | <1          | <1          | <1          |
| 1,2-Dichloropropane       | <1          | <1          | <1          | <1          |
| trans-1,3-Dichloropropene | <1          | <1          | <1          | <1          |
| Trichloroethene           | <1          | <1          | <1          | <1          |
| Dibromochloromethane      | <1          | <1          | <1          | <1          |
| 1,1,2-Trichloroethane     | <1          | <1          | <1          | <1          |
| Benzene                   | <1          | <1          | <1          | <1          |
| cis-1,3-Dichloropropene   | <1          | <1          | <1          | <1          |
| 2-Chloroethylvinylether   | <10         | <10         | <2          | <1          |
| Bromoform                 | <1          | <1          | <1          | <1          |
| 2-Hexanone                | <10         | <10         | <2          | <10         |
| 4-Methy-2-Pentanone       | <10         | <10         | <2          | <10         |
| Tetrachlorethene          | <1          | <1          | <1          | <1          |
| Toluene                   | <1          | <1          | <1          | <1          |
| Chlorobenzene             | <1          | <1          | <1          | <1          |
| Ethylbenzene              | <1          | <1          | <1          | <1          |
| Styrene                   | <1          | <1          | <1          | <1          |
| Total Xylenes             | <1          | <1          | <1          | <1          |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D.     MW-2    

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             | <5           | <5          | <2          | <10          |
| Bromomethane              | <5           | <5          | <2          | <10          |
| Vinyl Chloride            | <5           | <5          | <2          | <10          |
| Chloroethane              | <5           | <5          | <2          | <10          |
| Methylene Chloride        | <5           | <5          | <25         | <25          |
| Acetone                   | <50          | <25         | <25         | <25          |
| Carbon Disulfide          | <1           | <1          | <1          | <1           |
| 1,1-Dichloroethene        | <1           | <1          | <1          | <1           |
| 1,1-Dichloroethane        | <1           | <1          | <1          | <1           |
| trans-1,2-Dichloroethene  | <1           | <1          | <1          | <1           |
| Chloroform                | <1           | <1          | <1          | <1           |
| 1,2-Dichloroethane        | <1           | <1          | <1          | <1           |
| 2-Butanone                | <10          | <10         | <25         | <10          |
| 1,1,1-Trichloroethane     | <1           | <1          | <1          | <1           |
| Carbon Tetrachloride      | <1           | <1          | <1          | <1           |
| Vinyl Acetate             | <10          | <10         | <2          | <10          |
| Bromodichloromethane      | <1           | <1          | <1          | <1           |
| 1,1,2,2-Tetrachloroethane | <1           | <1          | <1          | <1           |
| 1,2-Dichloropropane       | <1           | <1          | <1          | <1           |
| trans-1,3-Dichloropropene | <1           | <1          | <1          | <1           |
| Trichloroethene           | <1           | <1          | <1          | <1           |
| Dibromochloromethane      | <1           | <1          | <1          | <1           |
| 1,1,2-Trichloroethane     | <1           | <1          | <1          | <1           |
| Benzene                   | <1           | <1          | <1          | <1           |
| cis-1,3-Dichloropropene   | <1           | <1          | <1          | <1           |
| 2-Chloroethylvinylether   | <10          | <10         | <2          | <1           |
| Bromoform                 | <1           | <1          | <1          | <1           |
| 2-Hexanone                | <10          | <10         | <2          | <10          |
| 4-Methy-2-Pentanone       | <10          | <10         | <2          | <10          |
| Tetrachlorethene          | <1           | <1          | <1          | <1           |
| Toluene                   | <1           | <1          | <1          | <1           |
| Chlorobenzene             | <1           | <1          | <1          | <1           |
| Ethylbenzene              | <1           | <1          | <1          | <1           |
| Styrene                   | <1           | <1          | <1          | <1           |
| Total Xylenes             | <1           | <1          | <1          | <1           |



HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D.     MW-3    

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <2   | <10   |
| Bromomethane              | <5    | <5   | <2   | <10   |
| Vinyl Chloride            | <5    | <5   | <2   | <10   |
| Chloroethane              | <5    | <5   | <2   | <10   |
| Methylene Chloride        | <5    | <5   | <25  | <25   |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <25  | <10   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <2   | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | <1    | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <2   | <1    |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <2   | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <2   | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | <1    | <1   | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | <1    | <1   | <1   | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. MW-4

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       |      | <2   |       |
| Bromomethane              |       |      | <2   |       |
| Vinyl Chloride            |       |      | <2   |       |
| Chloroethane              |       |      | <2   |       |
| Methylene Chloride        |       |      | <25  |       |
| Acetone                   |       |      | <25  |       |
| Carbon Disulfide          |       |      | <1   |       |
| 1,1-Dichloroethene        |       |      | <1   |       |
| 1,1-Dichloroethane        |       |      | <1   |       |
| trans-1,2-Dichloroethene  |       |      | <1   |       |
| Chloroform                |       |      | <1   |       |
| 1,2-Dichloroethane        |       |      | <1   |       |
| 2-Butanone                |       |      | <25  |       |
| 1,1,1-Trichloroethane     |       |      | <1   |       |
| Carbon Tetrachloride      |       |      | <1   |       |
| Vinyl Acetate             |       |      | <2   |       |
| Bromodichloromethane      |       |      | <1   |       |
| 1,1,2,2-Tetrachloroethane |       |      | <1   |       |
| 1,2-Dichloropropane       |       |      | <1   |       |
| trans-1,3-Dichloropropene |       |      | <1   |       |
| Trichloroethene           |       |      | <1   |       |
| Dibromochloromethane      |       |      | <1   |       |
| 1,1,2-Trichloroethane     |       |      | <1   |       |
| Benzene                   |       |      | <1   |       |
| cis-1,3-Dichloropropene   |       |      | <1   |       |
| 2-Chloroethylvinylether   |       |      | <2   |       |
| Bromoform                 |       |      | <1   |       |
| 2-Hexanone                |       |      | <2   |       |
| 4-Methy-2-Pentanone       |       |      | <2   |       |
| Tetrachlorethene          |       |      | <1   |       |
| Toluene                   |       |      | <1   |       |
| Chlorobenzene             |       |      | <1   |       |
| Ethylbenzene              |       |      | <1   |       |
| Styrene                   |       |      | <1   |       |
| Total Xylenes             |       |      | 5.7  |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 1A

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              |             | <2          |              |
| Bromomethane              |              |             | <2          |              |
| Vinyl Chloride            |              |             | <2          |              |
| Chloroethane              |              |             | <2          |              |
| Methylene Chloride        |              |             | <25         |              |
| Acetone                   |              |             | <25         |              |
| Carbon Disulfide          |              |             | <1          |              |
| 1,1-Dichloroethene        |              |             | <1          |              |
| 1,1-Dichloroethane        |              |             | <1          |              |
| trans-1,2-Dichloroethene  |              |             | <1          |              |
| Chloroform                |              |             | <1          |              |
| 1,2-Dichloroethane        |              |             | <1          |              |
| 2-Butanone                |              |             | <25         |              |
| 1,1,1-Trichloroethane     |              |             | <1          |              |
| Carbon Tetrachloride      |              |             | <1          |              |
| Vinyl Acetate             |              |             | <2          |              |
| Bromodichloromethane      |              |             | <1          |              |
| 1,1,2,2-Tetrachloroethane |              |             | <1          |              |
| 1,2-Dichloropropane       |              |             | <1          |              |
| trans-1,3-Dichloropropene |              |             | <1          |              |
| Trichloroethene           |              |             | <1          |              |
| Dibromochloromethane      |              |             | <1          |              |
| 1,1,2-Trichloroethane     |              |             | <1          |              |
| Benzene                   |              |             | <1          |              |
| cis-1,3-Dichloropropene   |              |             | <1          |              |
| 2-Chloroethylvinylether   |              |             | <2          |              |
| Bromoform                 |              |             | <1          |              |
| 2-Hexanone                |              |             | <2          |              |
| 4-Methy-2-Pentanone       |              |             | <2          |              |
| Tetrachlorethene          |              |             | <1          |              |
| Toluene                   |              |             | <1          |              |
| Chlorobenzene             |              |             | <1          |              |
| Ethylbenzene              |              |             | <1          |              |
| Styrene                   |              |             | <1          |              |
| Total Xylenes             |              |             | 11          |              |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 3A

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <2   | <10   |
| Bromomethane              | <5    | <5   | <2   | <10   |
| Vinyl Chloride            | <5    | <5   | <2   | <10   |
| Chloroethane              | <5    | <5   | <2   | <10   |
| Methylene Chloride        | <5    | <5   | <25  | <25   |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <25  | <10   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <2   | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | <1    | <1   | <1   | 3.2   |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <2   | <1    |
| Bromoform                 | <1    | <1   | <1   | <10   |
| 2-Hexanone                | <10   | <10  | <2   | <1    |
| 4-Methy-2-Pentanone       | <10   | <10  | <2   | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | 2.8   | <1   | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | <1    | <1   | <1   | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 3B

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       |      | <2   |       |
| Bromomethane              |       |      | <2   |       |
| Vinyl Chloride            |       |      | <2   |       |
| Chloroethane              |       |      | <25  |       |
| Methylene Chloride        |       |      | <25  |       |
| Acetone                   |       |      | <1   |       |
| Carbon Disulfide          |       |      | <1   |       |
| 1,1-Dichloroethene        |       |      | <1   |       |
| 1,1-Dichloroethane        |       |      | <1   |       |
| trans-1,2-Dichloroethene  |       |      | <1   |       |
| Chloroform                |       |      | <1   |       |
| 1,2-Dichloroethane        |       |      | <1   |       |
| 2-Butanone                |       |      | <25  |       |
| 1,1,1-Trichlorethane      |       |      | <1   |       |
| Carbon Tetrachloride      |       |      | <1   |       |
| Vinyl Acetate             |       |      | <2   |       |
| Bromodichloromethane      |       |      | <1   |       |
| 1,1,2,2-Tetrachloroethane |       |      | <1   |       |
| 1,2-Dichloropropane       |       |      | <1   |       |
| trans-1,3-Dichloropropene |       |      | <1   |       |
| Trichloroethene           |       |      | <1   |       |
| Dibromochloromethane      |       |      | <1   |       |
| 1,1,2-Trichloroethane     |       |      | <1   |       |
| Benzene                   |       |      | <1   |       |
| cis-1,3-Dichloropropene   |       |      | <1   |       |
| 2-Chloroethylvinylether   |       |      | <2   |       |
| Bromoform                 |       |      | <1   |       |
| 2-Hexanone                |       |      | <2   |       |
| 4-Methy-2-Pentanone       |       |      | <2   |       |
| Tetrachlorethene          |       |      | <1   |       |
| Toluene                   |       |      | <1   |       |
| Chlorobenzene             |       |      | <1   |       |
| Ethylbenzene              |       |      | <1   |       |
| Styrene                   |       |      | <1   |       |
| Total Xylenes             |       |      | <1   |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 4A

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              |             | DRY         | DRY          |
| Bromomethane              |              |             |             |              |
| Vinyl Chloride            |              |             |             |              |
| Chloroethane              |              |             |             |              |
| Methylene Chloride        |              |             |             |              |
| Acetone                   |              |             |             |              |
| Carbon Disulfide          |              |             |             |              |
| 1,1-Dichloroethene        |              |             |             |              |
| 1,1-Dichloroethane        |              |             |             |              |
| trans-1,2-Dichloroethene  |              |             |             |              |
| Chloroform                |              |             |             |              |
| 1,2-Dichloroethane        |              |             |             |              |
| 2-Butanone                |              |             |             |              |
| 1,1,1-Trichloroethane     |              |             |             |              |
| Carbon Tetrachloride      |              |             |             |              |
| Vinyl Acetate             |              |             |             |              |
| Bromodichloromethane      |              |             |             |              |
| 1,1,2,2-Tetrachloroethane |              |             |             |              |
| 1,2-Dichloropropane       |              |             |             |              |
| trans-1,3-Dichloropropene |              |             |             |              |
| Trichloroethene           |              |             |             |              |
| Dibromochloromethane      |              |             |             |              |
| 1,1,2-Trichloroethane     |              |             |             |              |
| Benzene                   |              |             |             |              |
| cis-1,3-Dichloropropene   |              |             |             |              |
| 2-Chloroethylvinylether   |              |             |             |              |
| Bromoform                 |              |             |             |              |
| 2-Hexanone                |              |             |             |              |
| 4-Methy-2-Pentanone       |              |             |             |              |
| Tetrachlorethene          |              |             |             |              |
| Toluene                   |              |             |             |              |
| Chlorobenzene             |              |             |             |              |
| Ethylbenzene              |              |             |             |              |
| Styrene                   |              |             |             |              |
| Total Xylenes             |              |             |             |              |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 6A

| Sampling Date             | 12/87 | 4/88  | 7/88   | 10/88  |
|---------------------------|-------|-------|--------|--------|
| Compound                  | ug/L  | ug/L  | ug/L   | ug/L   |
| Chloromethane             | <100  | <1200 | <5000  | <5000  |
| Bromomethane              | <100  | <1200 | <5000  | <5000  |
| Vinyl Chloride            | <100  | <1200 | <5000  | <5000  |
| Chloroethane              | <100  | <1200 | <5000  | <5000  |
| Methylene Chloride        | <100  | <2500 | <5000  | <5000  |
| Acetone                   | 2800  | <6200 | <25000 | <25000 |
| Carbon Disulfide          | <20   | <250  | <1000  | <1000  |
| 1,1-Dichloroethene        | <20   | <250  | <1000  | <1000  |
| 1,1-Dichloroethane        | <20   | <250  | <1000  | <1000  |
| trans-1,2-Dichloroethene  | 3000  | 2300  | <1000  | <1000  |
| Chloroform                | <20   | <250  | <1000  | <1000  |
| 1,2-Dichloroethane        | <20   | <250  | <1000  | <1000  |
| 2-Butanone                | 540   | <2500 | <1000  | <10000 |
| 1,1,1-Trichloroethane     | <20   | <250  | <1000  | <1000  |
| Carbon Tetrachloride      | <20   | <250  | <1000  | <1000  |
| Vinyl Acetate             | <200  | <2500 | <10000 | <10000 |
| Bromodichloromethane      | <20   | <250  | <1000  | <1000  |
| 1,1,2,2-Tetrachloroethane | <20   | <250  | <1000  | <1000  |
| 1,2-Dichloropropane       | <20   | <250  | <1000  | <1000  |
| trans-1,3-Dichloropropene | <20   | <250  | <1000  | <1000  |
| Trichloroethene           | <20   | <250  | <1000  | <1000  |
| Dibromochloromethane      | <20   | <250  | <1000  | <1000  |
| 1,1,2-Trichloroethane     | <20   | <250  | <1000  | <1000  |
| Benzene                   | 1900  | 1500  | <1000  | <1000  |
| cis-1,3-Dichloropropene   | <20   | <250  | <1000  | <1000  |
| 2-Chloroethylvinylether   | <200  | <2500 | <10000 | <10000 |
| Bromoform                 | <20   | <250  | <1000  | <1000  |
| 2-Hexanone                | <200  | <2500 | <10000 | <10000 |
| 4-Methy-2-Pentanone       | 310   | <2500 | <10000 | <10000 |
| Tetrachlorethene          | <20   | <250  | <1000  | <1000  |
| Toluene                   | 52000 | 60000 | 55000  | 50000  |
| Chlorobenzene             | <20   | <250  | <1000  | <1000  |
| Ethylbenzene              | 9800  | 20000 | 17000  | 17000  |
| Styrene                   | <20   | <250  | <1000  | <1000  |
| Total Xylenes             | 52000 | 83000 | 77000  | 72000  |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 7A

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <2   | <5    |
| Bromomethane              | <5    | <5   | <2   | <5    |
| Vinyl Chloride            | <5    | <5   | <2   | <5    |
| Chloroethane              | <5    | <5   | <2   | <5    |
| Methylene Chloride        | <5    | <5   | <25  | <5    |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <25  | <10   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <2   | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | <1    | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <2   | <10   |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <2   | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <2   | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | <1    | <1   | <1   | 1.4   |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | 1.1   |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | <1    | <1   | <1   | 8.7   |



HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. PW-8

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <2   | <10   |
| Bromomethane              | <5    | <5   | <2   | <10   |
| Vinyl Chloride            | <5    | <5   | <2   | <10   |
| Chloroethane              | <5    | <5   | <2   | <10   |
| Methylene Chloride        | <5    | <5   | <25  | <25   |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <25  | <10   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <2   | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | 12    | 8.4  | 7    | 2.9   |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <2   | <1    |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <2   | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <2   | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | 2.8   | 2.3  | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | 11    | <1   | <1   | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 8A

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       |      | <2   |       |
| Bromomethane              |       |      | <2   |       |
| Vinyl Chloride            |       |      | <2   |       |
| Chloroethane              |       |      | <2   |       |
| Methylene Chloride        |       |      | <25  |       |
| Acetone                   |       |      | <25  |       |
| Carbon Disulfide          |       |      | <1   |       |
| 1,1-Dichloroethene        |       |      | <1   |       |
| 1,1-Dichloroethane        |       |      | <1   |       |
| trans-1,2-Dichloroethene  |       |      | <1   |       |
| Chloroform                |       |      | <1   |       |
| 1,2-Dichloroethane        |       |      | <1   |       |
| 2-Butanone                |       |      | <25  |       |
| 1,1,1-Trichloroethane     |       |      | <1   |       |
| Carbon Tetrachloride      |       |      | <1   |       |
| Vinyl Acetate             |       |      | <2   |       |
| Bromodichloromethane      |       |      | <1   |       |
| 1,1,2,2-Tetrachloroethane |       |      | <1   |       |
| 1,2-Dichloropropane       |       |      | <1   |       |
| trans-1,3-Dichloropropene |       |      | <1   |       |
| Trichloroethene           |       |      | <1   |       |
| Dibromochloromethane      |       |      | <1   |       |
| 1,1,2-Trichloroethane     |       |      | <1   |       |
| Benzene                   |       |      | <1   |       |
| cis-1,3-Dichloropropene   |       |      | <1   |       |
| 2-Chloroethylvinylether   |       |      | <2   |       |
| Bromoform                 |       |      | <1   |       |
| 2-Hexanone                |       |      | <2   |       |
| 4-Methy-2-Pentanone       |       |      | <2   |       |
| Tetrachlorethene          |       |      | <1   |       |
| Toluene                   |       |      | <1   |       |
| Chlorobenzene             |       |      | <1   |       |
| Ethylbenzene              |       |      | <1   |       |
| Styrene                   |       |      | <1   |       |
| Total Xylenes             |       |      | <1   |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 14B

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <5   | <5    |
| Bromomethane              | <5    | <5   | <5   | <5    |
| Vinyl Chloride            | <5    | <5   | <5   | <5    |
| Chloroethane              | <5    | <5   | <5   | <5    |
| Methylene Chloride        | <5    | <10  | <5   | <5    |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <10  | <10   |
| 1,1,1-Trichlorethane      | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <10  | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | <1    | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <10  | <10   |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <10  | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <10  | <10   |
| Tetrachlorethene          | <1    | <1   | 1.1  | <1    |
| Toluene                   | <1    | <1   | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | <1    | <1   | <1   | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 16A

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              | DRY         | DRY         | DRY          |
| Bromomethane              |              |             |             |              |
| Vinyl Chloride            |              |             |             |              |
| Chloroethane              |              |             |             |              |
| Methylene Chloride        |              |             |             |              |
| Acetone                   |              |             |             |              |
| Carbon Disulfide          |              |             |             |              |
| 1,1-Dichloroethene        |              |             |             |              |
| 1,1-Dichloroethane        |              |             |             |              |
| trans-1,2-Dichloroethene  |              |             |             |              |
| Chloroform                |              |             |             |              |
| 1,2-Dichloroethane        |              |             |             |              |
| 2-Butanone                |              |             |             |              |
| 1,1,1-Trichlorethane      |              |             |             |              |
| Carbon Tetrachloride      |              |             |             |              |
| Vinyl Acetate             |              |             |             |              |
| Bromodichloromethane      |              |             |             |              |
| 1,1,2,2-Tetrachloroethane |              |             |             |              |
| 1,2-Dichloropropane       |              |             |             |              |
| trans-1,3-Dichloropropene |              |             |             |              |
| Trichloroethene           |              |             |             |              |
| Dibromochloromethane      |              |             |             |              |
| 1,1,2-Trichloroethane     |              |             |             |              |
| Benzene                   |              |             |             |              |
| cis-1,3-Dichloropropene   |              |             |             |              |
| 2-Chloroethylvinylether   |              |             |             |              |
| Bromoform                 |              |             |             |              |
| 2-Hexanone                |              |             |             |              |
| 4-Methy-2-Pentanone       |              |             |             |              |
| Tetrachlorethene          |              |             |             |              |
| Toluene                   |              |             |             |              |
| Chlorobenzene             |              |             |             |              |
| Ethylbenzene              |              |             |             |              |
| Styrene                   |              |             |             |              |
| Total Xylenes             |              |             |             |              |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 18A

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             | <5           | <5          | <2          | <5           |
| Bromomethane              | <5           | <5          | <2          | <5           |
| Vinyl Chloride            | <5           | <5          | <2          | <5           |
| Chloroethane              | <5           | <5          | <2          | <5           |
| Methylene Chloride        | <5           | <5          | <25         | <5           |
| Acetone                   | <50          | <25         | <25         | <25          |
| Carbon Disulfide          | <1           | <1          | <1          | <1           |
| 1,1-Dichloroethene        | <1           | <1          | <1          | <1           |
| 1,1-Dichloroethane        | <1           | <1          | <1          | <1           |
| trans-1,2-Dichloroethene  | <1           | <1          | <1          | <1           |
| Chloroform                | <1           | <1          | <1          | <1           |
| 1,2-Dichloroethane        | <1           | <1          | <1          | <1           |
| 2-Butanone                | <10          | <10         | <25         | <10          |
| 1,1,1-Trichloroethane     | <1           | <1          | <1          | <1           |
| Carbon Tetrachloride      | <1           | <1          | <1          | <1           |
| Vinyl Acetate             | <10          | <10         | <2          | <10          |
| Bromodichloromethane      | <1           | <1          | <1          | <1           |
| 1,1,2,2-Tetrachloroethane | <1           | <1          | <1          | <1           |
| 1,2-Dichloropropane       | <1           | <1          | <1          | <1           |
| trans-1,3-Dichloropropene | <1           | <1          | <1          | <1           |
| Trichloroethene           | <1           | <1          | <1          | <1           |
| Dibromochloromethane      | <1           | <1          | <1          | <1           |
| 1,1,2-Trichloroethane     | <1           | <1          | <1          | <1           |
| Benzene                   | <1           | <1          | <1          | <1           |
| cis-1,3-Dichloropropene   | <1           | <1          | <1          | <1           |
| 2-Chloroethylvinylether   | <10          | <10         | <2          | <10          |
| Bromoform                 | <1           | <1          | <1          | <1           |
| 2-Hexanone                | <10          | <10         | <2          | <10          |
| 4-Methy-2-Pentanone       | <10          | <10         | <2          | <10          |
| Tetrachlorethene          | <1           | <1          | <1          | <1           |
| Toluene                   | <1           | <1          | <1          | <1           |
| Chlorobenzene             | <1           | <1          | <1          | <1           |
| Ethylbenzene              | <1           | <1          | <1          | <1           |
| Styrene                   | <1           | <1          | <1          | <1           |
| Total Xylenes             | <1           | <1          | <1          | <1           |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 19A

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <100 | <10   |
| Bromomethane              | <5    | <5   | <100 | <10   |
| Vinyl Chloride            | 10    | 14   | <100 | 11    |
| Chloroethane              | <5    | <5   | <100 | <10   |
| Methylene Chloride        | <5    | <5   | <250 | <25   |
| Acetone                   | <50   | <25  | <250 | <25   |
| Carbon Disulfide          | <1    | <1   | <50  | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <50  | 1.2   |
| 1,1-Dichloroethane        | <1    | <1   | <50  | <1    |
| trans-1,2-Dichloroethene  | 120   | 140  | 170  | 160   |
| Chloroform                | <1    | <1   | <50  | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <50  | <1    |
| 2-Butanone                | <10   | <10  | <250 | <10   |
| 1,1,1-Trichlorethane      | <1    | <1   | <50  | <1    |
| Carbon Tetrachloride      | <1    | <1   | <50  | <1    |
| Vinyl Acetate             | <10   | <10  | <100 | <10   |
| Bromodichloromethane      | <1    | <1   | <50  | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <50  | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <50  | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <50  | <1    |
| Trichloroethene           | 750   | 1200 | 1100 | 990   |
| Dibromochloromethane      | <1    | <1   | <50  | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <50  | <1    |
| Benzene                   | <1    | <1   | <50  | 2.3   |
| cis-1,3-Dichloropropene   | <1    | <1   | <50  | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <100 | <1    |
| Bromoform                 | <1    | <1   | <50  | <1    |
| 2-Hexanone                | <10   | <10  | <100 | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <100 | <10   |
| Tetrachlorethene          | <1    | <1   | <50  | <1    |
| Toluene                   | 2.2   | <1   | <50  | <1    |
| Chlorobenzene             | 1.1   | <1   | <50  | 3.7   |
| Ethylbenzene              | <1    | <1   | <50  | <1    |
| Styrene                   | <1    | <1   | <50  | <1    |
| Total Xylenes             | <1    | <1   | <50  | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 20

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       | <5   | <5   | <10   |
| Bromomethane              |       | <5   | <5   | <10   |
| Vinyl Chloride            |       | <5   | <5   | <10   |
| Chloroethane              |       | <5   | <5   | <10   |
| Methylene Chloride        |       | <5   | <5   | <25   |
| Acetone                   |       | <25  | <25  | <25   |
| Carbon Disulfide          |       | <1   | <1   | <1    |
| 1,1-Dichloroethene        |       | <1   | <1   | <1    |
| 1,1-Dichloroethane        |       | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  |       | <1   | <1   | <1    |
| Chloroform                |       | <1   | <1   | <1    |
| 1,2-Dichloroethane        |       | <1   | <1   | <1    |
| 2-Butanone                |       | <10  | <10  | <10   |
| 1,1,1-Trichloroethane     |       | <1   | <1   | <1    |
| Carbon Tetrachloride      |       | <1   | <1   | <1    |
| Vinyl Acetate             |       | <10  | <10  | <10   |
| Bromodichloromethane      |       | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane |       | <1   | <1   | <1    |
| 1,2-Dichloropropane       |       | <1   | <1   | <1    |
| trans-1,3-Dichloropropene |       | <1   | <1   | <1    |
| Trichloroethene           |       | <1   | <1   | <1    |
| Dibromochloromethane      |       | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     |       | <1   | <1   | <1    |
| Benzene                   |       | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   |       | <1   | <1   | <1    |
| 2-Chloroethylvinylether   |       | <10  | <10  | <1    |
| Bromoform                 |       | <1   | <1   | <1    |
| 2-Hexanone                |       | <10  | <10  | <10   |
| 4-Methy-2-Pentanone       |       | <10  | <10  | <10   |
| Tetrachlorethene          |       | <1   | <1   | <1    |
| Toluene                   |       | <1   | <1   | <1    |
| Chlorobenzene             |       | <1   | <1   | <1    |
| Ethylbenzene              |       | <1   | <1   | <1    |
| Styrene                   |       | <1   | <1   | <1    |
| Total Xylenes             |       | <1   | <1   | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 21-A

| Sampling Date             | 12/87 | 4/88  | 7/88  | 10/88 |
|---------------------------|-------|-------|-------|-------|
| Compound                  | ug/L  | ug/L  | ug/L  | ug/L  |
| Chloromethane             | <500  | <500  | <1300 | <1200 |
| Bromomethane              | <500  | <500  | <1300 | <1200 |
| Vinyl Chloride            | <500  | <500  | <1300 | <1200 |
| Chloroethane              | <500  | <500  | <1300 | <1200 |
| Methylene Chloride        | <3000 | <500  | <1300 | <1200 |
| Acetone                   | <5000 | <2500 | <6300 | <6200 |
| Carbon Disulfide          | <100  | <100  | <250  | <250  |
| 1,1-Dichloroethene        | <100  | <100  | <250  | <250  |
| 1,1-Dichloroethane        | <100  | <100  | <250  | <250  |
| trans-1,2-Dichloroethene  | <100  | <100  | <250  | <250  |
| Chloroform                | <100  | <100  | <250  | <250  |
| 1,2-Dichloroethane        | <100  | <100  | <250  | <250  |
| 2-Butanone                | <1000 | <1000 | <2500 | <2500 |
| 1,1,1-Trichloroethane     | <100  | <100  | <250  | <250  |
| Carbon Tetrachloride      | <100  | <100  | <250  | <250  |
| Vinyl Acetate             | <1000 | <1000 | <2500 | <2500 |
| Bromodichloromethane      | <100  | <100  | <250  | <250  |
| 1,1,2,2-Tetrachloroethane | <100  | <100  | <250  | <250  |
| 1,2-Dichloropropane       | <100  | <100  | <250  | <250  |
| trans-1,3-Dichloropropene | <100  | <100  | <250  | <250  |
| Trichloroethene           | <100  | <100  | <250  | <250  |
| Dibromochloromethane      | <100  | <100  | <250  | <250  |
| 1,1,2-Trichloroethane     | <100  | <100  | <250  | <250  |
| Benzene                   | 3500  | 2900  | 1800  | 2400  |
| cis-1,3-Dichloropropene   | <100  | <100  | <250  | <250  |
| 2-Chloroethylvinylether   | <1000 | <1000 | <2500 | <2500 |
| Bromoform                 | <100  | <100  | <250  | <250  |
| 2-Hexanone                | <1000 | <1000 | <2500 | <2500 |
| 4-Methy-2-Pentanone       | <1000 | <1000 | <2500 | <2500 |
| Tetrachlorethene          | <100  | <100  | <250  | <250  |
| Toluene                   | 11000 | 14000 | 9700  | 15000 |
| Chlorobenzene             | <100  | <100  | <250  | <250  |
| Ethylbenzene              | 23000 | 21000 | 11000 | 16000 |
| Styrene                   | <100  | <100  | <250  | <250  |
| Total Xylenes             | 23000 | 22000 | 13000 | 16000 |



HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 22

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       |      | <2   |       |
| Bromomethane              |       |      | <2   |       |
| Vinyl Chloride            |       |      | <2   |       |
| Chloroethane              |       |      | <2   |       |
| Methylene Chloride        |       |      | <2   |       |
| Acetone                   |       |      | <25  |       |
| Carbon Disulfide          |       |      | <25  |       |
| 1,1-Dichloroethene        |       |      | <1   |       |
| 1,1-Dichloroethane        |       |      | <1   |       |
| trans-1,2-Dichloroethene  |       |      | <1   |       |
| Chloroform                |       |      | <1   |       |
| 1,2-Dichloroethane        |       |      | <1   |       |
| 2-Butanone                |       |      | <25  |       |
| 1,1,1-Trichloroethane     |       |      | <1   |       |
| Carbon Tetrachloride      |       |      | <1   |       |
| Vinyl Acetate             |       |      | <2   |       |
| Bromodichloromethane      |       |      | <1   |       |
| 1,1,2,2-Tetrachloroethane |       |      | <1   |       |
| 1,2-Dichloropropane       |       |      | <1   |       |
| trans-1,3-Dichloropropene |       |      | <1   |       |
| Trichloroethene           |       |      | <1   |       |
| Dibromochloromethane      |       |      | <1   |       |
| 1,1,2-Trichloroethane     |       |      | <1   |       |
| Benzene                   |       |      | <1   |       |
| cis-1,3-Dichloropropene   |       |      | <1   |       |
| 2-Chloroethylvinylether   |       |      | <2   |       |
| Bromoform                 |       |      | <1   |       |
| 2-Hexanone                |       |      | <2   |       |
| 4-Methy-2-Pentanone       |       |      | <2   |       |
| Tetrachlorethene          |       |      | <1   |       |
| Toluene                   |       |      | <1   |       |
| Chlorobenzene             |       |      | <1   |       |
| Ethylbenzene              |       |      | <1   |       |
| Styrene                   |       |      | <1   |       |
| Total Xylenes             |       |      | <1   |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 23

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       |      | <2   |       |
| Bromomethane              |       |      | <2   |       |
| Vinyl Chloride            |       |      | <2   |       |
| Chloroethane              |       |      | <2   |       |
| Methylene Chloride        |       |      | <25  |       |
| Acetone                   |       |      | <25  |       |
| Carbon Disulfide          |       |      | <1   |       |
| 1,1-Dichloroethene        |       |      | <1   |       |
| 1,1-Dichloroethane        |       |      | <1   |       |
| trans-1,2-Dichloroethene  |       |      | <1   |       |
| Chloroform                |       |      | <1   |       |
| 1,2-Dichloroethane        |       |      | <1   |       |
| 2-Butanone                |       |      | <25  |       |
| 1,1,1-Trichloroethane     |       |      | <1   |       |
| Carbon Tetrachloride      |       |      | <1   |       |
| Vinyl Acetate             |       |      | <2   |       |
| Bromodichloromethane      |       |      | <1   |       |
| 1,1,2,2-Tetrachloroethane |       |      | <1   |       |
| 1,2-Dichloropropane       |       |      | <1   |       |
| trans-1,3-Dichloropropene |       |      | <1   |       |
| Trichloroethene           |       |      | <1   |       |
| Dibromochloromethane      |       |      | <1   |       |
| 1,1,2-Trichloroethane     |       |      | <1   |       |
| Benzene                   |       |      | <1   |       |
| cis-1,3-Dichloropropene   |       |      | <1   |       |
| 2-Chloroethylvinylether   |       |      | <2   |       |
| Bromoform                 |       |      | <1   |       |
| 2-Hexanone                |       |      | <2   |       |
| 4-Methy-2-Pentanone       |       |      | <2   |       |
| Tetrachlorethene          |       |      | <1   |       |
| Toluene                   |       |      | <1   |       |
| Chlorobenzene             |       |      | <1   |       |
| Ethylbenzene              |       |      | 30   |       |
| Styrene                   |       |      | <1   |       |
| Total Xylenes             |       |      | 150  |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 24A

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <5   | <5    |
| Bromomethane              | <5    | <5   | <5   | <5    |
| Vinyl Chloride            | 21    | <5   | <5   | <5    |
| Chloroethane              | <5    | <5   | <5   | <5    |
| Methylene Chloride        | <5    | <5   | <5   | <5    |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | 61    | 13   | 53   | 62    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <10  | <10   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <10  | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | <1    | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <10  | <10   |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <10  | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <10  | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | <1    | <1   | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | <1    | <1   | <1   | 3.7   |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 25

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             |       |      | <2   |       |
| Bromomethane              |       |      | <2   |       |
| Vinyl Chloride            |       |      | <2   |       |
| Chloroethane              |       |      | <2   |       |
| Methylene Chloride        |       |      | <25  |       |
| Acetone                   |       |      | <25  |       |
| Carbon Disulfide          |       |      | <1   |       |
| 1,1-Dichloroethene        |       |      | <1   |       |
| 1,1-Dichloroethane        |       |      | <1   |       |
| trans-1,2-Dichloroethene  |       |      | <1   |       |
| Chloroform                |       |      | <1   |       |
| 1,2-Dichloroethane        |       |      | <1   |       |
| 2-Butanone                |       |      | <25  |       |
| 1,1,1-Trichlorethane      |       |      | <1   |       |
| Carbon Tetrachloride      |       |      | <1   |       |
| Vinyl Acetate             |       |      | <2   |       |
| Bromodichloromethane      |       |      | <1   |       |
| 1,1,2,2-Tetrachloroethane |       |      | <1   |       |
| 1,2-Dichloropropane       |       |      | <1   |       |
| trans-1,3-Dichloropropene |       |      | <1   |       |
| Trichloroethene           |       |      | <1   |       |
| Dibromochloromethane      |       |      | <1   |       |
| 1,1,2-Trichloroethane     |       |      | <1   |       |
| Benzene                   |       |      | <1   |       |
| cis-1,3-Dichloropropene   |       |      | <1   |       |
| 2-Chloroethylvinylether   |       |      | <2   |       |
| Bromoform                 |       |      | <1   |       |
| 2-Hexanone                |       |      | <2   |       |
| 4-Methy-2-Pentanone       |       |      | <2   |       |
| Tetrachlorethene          |       |      | <1   |       |
| Toluene                   |       |      | <1   |       |
| Chlorobenzene             |       |      | <1   |       |
| Ethylbenzene              |       |      | <1   |       |
| Styrene                   |       |      | <1   |       |
| Total Xylenes             |       |      | <1   |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 27

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             | <5           | <5          | <2          | <10          |
| Bromomethane              | <5           | <5          | <2          | <10          |
| Vinyl Chloride            | <5           | <5          | <2          | <10          |
| Chloroethane              | <5           | <5          | <2          | <10          |
| Methylene Chloride        | <5           | <5          | <25         | <25          |
| Acetone                   | <50          | <25         | <25         | <25          |
| Carbon Disulfide          | <1           | <1          | <1          | <1           |
| 1,1-Dichloroethene        | <1           | <1          | <1          | <1           |
| 1,1-Dichloroethane        | <1           | <1          | <1          | <1           |
| trans-1,2-Dichloroethene  | <1           | 49          | 57          | 44           |
| Chloroform                | <1           | <1          | <1          | <1           |
| 1,2-Dichloroethane        | <1           | <1          | <1          | <1           |
| 2-Butanone                | <10          | <10         | <25         | <10          |
| 1,1,1-Trichlorethane      | <1           | 1.1         | <1          | 1.5          |
| Carbon Tetrachloride      | <1           | <1          | <1          | <1           |
| Vinyl Acetate             | <10          | <10         | <2          | <10          |
| Bromodichloromethane      | <1           | <1          | <1          | <1           |
| 1,1,2,2-Tetrachloroethane | <1           | <1          | <1          | <1           |
| 1,2-Dichloropropane       | <1           | <1          | <1          | <1           |
| trans-1,3-Dichloropropene | <1           | <1          | <1          | <1           |
| Trichloroethene           | <1           | 170         | 160         | 150          |
| Dibromochloromethane      | <1           | <1          | <1          | <1           |
| 1,1,2-Trichloroethane     | <1           | <1          | <1          | <1           |
| Benzene                   | <1           | <1          | <1          | 1.6          |
| cis-1,3-Dichloropropene   | <1           | <1          | <1          | <1           |
| 2-Chloroethylvinylether   | <10          | <10         | <2          | <1           |
| Bromoform                 | <1           | <1          | <1          | <1           |
| 2-Hexanone                | <10          | <10         | <2          | <10          |
| 4-Methy-2-Pentanone       | <10          | <10         | <2          | <10          |
| Tetrachlorethene          | <1           | <1          | <1          | <1           |
| Toluene                   | <1           | <1          | <1          | <1           |
| Chlorobenzene             | <1           | <1          | <1          | <1           |
| Ethylbenzene              | <1           | <1          | <1          | <1           |
| Styrene                   | <1           | <1          | <1          | <1           |
| Total Xylenes             | <1           | <1          | <1          | <1           |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 28

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <5   | <25   |
| Bromomethane              | <5    | <5   | <5   | <25   |
| Vinyl Chloride            | <5    | <5   | <5   | <25   |
| Chloroethane              | <5    | <5   | <5   | <25   |
| Methylene Chloride        | <5    | <5   | <5   | <25   |
| Acetone                   | <50   | <25  | <25  | <120  |
| Carbon Disulfide          | <1    | <1   | <1   | <5    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <5    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <5    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <5    |
| Chloroform                | <1    | <1   | <1   | <5    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <5    |
| 2-Butanone                | <10   | <10  | <10  | <50   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <5    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <5    |
| Vinyl Acetate             | <10   | <10  | <10  | <50   |
| Bromodichloromethane      | <1    | <1   | <1   | <5    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <5    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <5    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <5    |
| Trichloroethene           | <1    | <1   | <1   | <5    |
| Dibromochloromethane      | <1    | <1   | <1   | <5    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <5    |
| Benzene                   | 4.8   | <1   | <1   | <5    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <5    |
| 2-Chloroethylvinylether   | <10   | <10  | <10  | <50   |
| Bromoform                 | <1    | <1   | <1   | <5    |
| 2-Hexanone                | <10   | <10  | <10  | <50   |
| 4-Methy-2-Pentanone       | <10   | <10  | <10  | <50   |
| Tetrachlorethene          | <1    | <1   | <1   | <5    |
| Toluene                   | 6.9   | <1   | <1   | <5    |
| Chlorobenzene             | <1    | <1   | <1   | <5    |
| Ethylbenzene              | <1    | <1   | <1   | <5    |
| Styrene                   | <1    | <1   | <1   | <5    |
| Total Xylenes             | 12    | <1   | <1   | <5    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 29

| Sampling Date             | 12/87 | 4/88  | 7/88  | 10/88 |
|---------------------------|-------|-------|-------|-------|
| Compound                  | ug/L  | ug/L  | ug/L  | ug/L  |
| Chloromethane             | <25   | <250  | <250  | <500  |
| Bromomethane              | <25   | <250  | <250  | <500  |
| Vinyl Chloride            | 340   | <250  | <250  | <500  |
| Chloroethane              | <25   | <250  | <250  | <500  |
| Methylene Chloride        | <25   | <500  | <250  | <500  |
| Acetone                   | <500  | <1200 | <1300 | <2500 |
| Carbon Disulfide          | <25   | <50   | <50   | <100  |
| 1,1-Dichloroethene        | <5    | <50   | <50   | <100  |
| 1,1-Dichloroethane        | <5    | <50   | <50   | <100  |
| trans-1,2-Dichloroethene  | 17    | <50   | <50   | <100  |
| Chloroform                | <5    | <50   | <50   | <100  |
| 1,2-Dichloroethane        | <5    | <50   | <50   | <100  |
| 2-Butanone                | <50   | <500  | <500  | <1000 |
| 1,1,1-Trichloroethane     | <5    | <50   | <50   | <100  |
| Carbon Tetrachloride      | <5    | <50   | <50   | <100  |
| Vinyl Acetate             | <50   | <500  | <500  | <1000 |
| Bromodichloromethane      | <5    | <50   | <50   | <100  |
| 1,1,2,2-Tetrachloroethane | <5    | <50   | <50   | <100  |
| 1,2-Dichloropropane       | <5    | <50   | <50   | <100  |
| trans-1,3-Dichloropropene | <5    | <50   | <50   | <100  |
| Trichloroethene           | 6.8   | <50   | <50   | <100  |
| Dibromochloromethane      | <5    | <50   | <50   | <100  |
| 1,1,2-Trichloroethane     | <5    | <50   | <50   | <100  |
| Benzene                   | 2600  | 1600  | 1900  | 1600  |
| cis-1,3-Dichloropropene   | <5    | <50   | <50   | <100  |
| 2-Chloroethylvinylether   | <50   | <500  | <500  | <1000 |
| Bromoform                 | <5    | <50   | <50   | <100  |
| 2-Hexanone                | <50   | <500  | <500  | <1000 |
| 4-Methy-2-Pentanone       | 300   | <500  | <500  | <1000 |
| Tetrachlorethene          | <5    | <50   | <50   | <100  |
| Toluene                   | 4100  | 2500  | 2300  | 1700  |
| Chlorobenzene             | <5    | <50   | <50   | <100  |
| Ethylbenzene              | 7100  | 4000  | 5600  | 2100  |
| Styrene                   | <5    | <50   | <50   | <100  |
| Total Xylenes             | 15000 | 9000  | 13000 | 10000 |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 30

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <5   | <5    |
| Bromomethane              | <5    | <5   | <5   | <5    |
| Vinyl Chloride            | <5    | <5   | <5   | <5    |
| Chloroethane              | <5    | <5   | <5   | <5    |
| Methylene Chloride        | <5    | <5   | <5   | <5    |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | <1    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <10  | <10   |
| 1,1,1-Trichloroethane     | <1    | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <10  | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | <1    | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | 8.1   | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <10  | <10   |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <10  | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <10  | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | 1.4   | <1   | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | 110   | <1   | <1   | <1    |



HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 37

| Sampling Date             | 12/87 | 4/88 | 7/88   | 10/88 |
|---------------------------|-------|------|--------|-------|
| Compound                  | ug/L  | ug/L | ug/L   | ug/L  |
| Chloromethane             |       | <5   | <2500  | <2500 |
| Bromomethane              |       | <5   | <2500  | <2500 |
| Vinyl Chloride            |       | <5   | <2500  | <2500 |
| Chloroethane              |       | <5   | <2500  | <2500 |
| Methylene Chloride        |       | <5   | <2500  | <6200 |
| Acetone                   |       | <250 | <13000 | <6200 |
| Carbon Disulfide          |       | <10  | <500   | <250  |
| 1,1-Dichloroethene        |       | <10  | <500   | <250  |
| 1,1-Dichloroethane        |       | <10  | <500   | <250  |
| trans-1,2-Dichloroethene  |       | <10  | <500   | <250  |
| Chloroform                |       | <10  | <500   | <250  |
| 1,2-Dichloroethane        |       | <10  | <500   | <250  |
| 2-Butanone                |       | <100 | <5000  | <2500 |
| 1,1,1-Trichloroethane     |       | <10  | <500   | <250  |
| Carbon Tetrachloride      |       | <10  | <500   | <250  |
| Vinyl Acetate             |       | <100 | <5000  | <2500 |
| Bromodichloromethane      |       | <10  | <500   | <250  |
| 1,1,2,2-Tetrachloroethane |       | <10  | <500   | <250  |
| 1,2-Dichloropropane       |       | <10  | <500   | <250  |
| trans-1,3-Dichloropropene |       | <10  | <500   | <250  |
| Trichloroethene           |       | <10  | <500   | <250  |
| Dibromochloromethane      |       | <10  | <500   | <250  |
| 1,1,2-Trichloroethane     |       | <10  | <500   | <250  |
| Benzene                   |       | <10  | <630   | 920   |
| cis-1,3-Dichloropropene   |       | <10  | <500   | <250  |
| 2-Chloroethylvinylether   |       | <100 | <5000  | <250  |
| Bromoform                 |       | <10  | <500   | <250  |
| 2-Hexanone                |       | <100 | <5000  | <2500 |
| 4-Methy-2-Pentanone       |       | <100 | <5000  | <2500 |
| Tetrachlorethene          |       | <10  | <500   | <250  |
| Toluene                   |       | 66   | 66000  | 61000 |
| Chlorobenzene             |       | <10  | <500   | <250  |
| Ethylbenzene              |       | <10  | 19000  | 17000 |
| Styrene                   |       | <10  | <500   | <250  |
| Total Xylenes             |       | 940  | 100000 | 80000 |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 38

| Sampling Date             | 12/87 | 4/88  | 7/88 | 10/88 |
|---------------------------|-------|-------|------|-------|
| Compound                  | ug/L  | ug/L  | ug/L | ug/L  |
| Chloromethane             | <100  | <250  | <100 | <500  |
| Bromomethane              | <100  | <250  | <100 | <500  |
| Vinyl Chloride            | <100  | <250  | <100 | <500  |
| Chloroethane              | <100  | <250  | <100 | <500  |
| Methylene Chloride        | <100  | <250  | <250 | <1200 |
| Acetone                   | <1000 | <1200 | <250 | <1200 |
| Carbon Disulfide          | <20   | <50   | <50  | <50   |
| 1,1-Dichloroethene        | <20   | <50   | <50  | <50   |
| 1,1-Dichloroethane        | <20   | <50   | <50  | <50   |
| trans-1,2-Dichloroethene  | <20   | <50   | <50  | <50   |
| Chloroform                | <20   | <50   | <50  | <50   |
| 1,2-Dichloroethane        | <20   | <50   | <50  | <50   |
| 2-Butanone                | <200  | <500  | <250 | <500  |
| 1,1,1-Trichlorethane      | <20   | <50   | <50  | <50   |
| Carbon Tetrachloride      | <20   | <50   | <50  | <50   |
| Vinyl Acetate             | <200  | <500  | <100 | <500  |
| Bromodichloromethane      | <20   | <50   | <50  | <50   |
| 1,1,2,2-Tetrachloroethane | <20   | <50   | <50  | <50   |
| 1,2-Dichloropropane       | <20   | <50   | <50  | <50   |
| trans-1,3-Dichloropropene | <20   | <50   | <50  | <50   |
| Trichloroethene           | <20   | <50   | <50  | <50   |
| Dibromochloromethane      | <20   | <50   | <50  | <50   |
| 1,1,2-Trichloroethane     | <20   | <50   | <50  | <50   |
| Benzene                   | 4200  | 3100  | 1400 | 2900  |
| cis-1,3-Dichloropropene   | <20   | <50   | <50  | <50   |
| 2-Chloroethylvinylether   | <200  | <500  | <100 | <50   |
| Bromoform                 | <20   | <50   | <50  | <50   |
| 2-Hexanone                | <200  | <500  | <100 | <500  |
| 4-Methy-2-Pentanone       | <200  | <500  | <100 | <500  |
| Tetrachlorethene          | <20   | <50   | <50  | <50   |
| Toluene                   | 1300  | 500   | 110  | 790   |
| Chlorobenzene             | <20   | <50   | <50  | <50   |
| Ethylbenzene              | 7500  | 3500  | <50  | 3700  |
| Styrene                   | <20   | <50   | <50  | <50   |
| Total Xylenes             | 14000 | 8200  | 3200 | 6000  |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 39

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              |             | <2          |              |
| Bromomethane              |              |             | <2          |              |
| Vinyl Chloride            |              |             | <2          |              |
| Chloroethane              |              |             | <2          |              |
| Methylene Chloride        |              |             | <25         |              |
| Acetone                   |              |             | <25         |              |
| Carbon Disulfide          |              |             | <1          |              |
| 1,1-Dichloroethene        |              |             | <1          |              |
| 1,1-Dichloroethane        |              |             | <1          |              |
| trans-1,2-Dichloroethene  |              |             | <1          |              |
| Chloroform                |              |             | <1          |              |
| 1,2-Dichloroethane        |              |             | <1          |              |
| 2-Butanone                |              |             | <25         |              |
| 1,1,1-Trichlorethane      |              |             | <1          |              |
| Carbon Tetrachloride      |              |             | <1          |              |
| Vinyl Acetate             |              |             | <2          |              |
| Bromodichloromethane      |              |             | <1          |              |
| 1,1,2,2-Tetrachloroethane |              |             | <1          |              |
| 1,2-Dichloropropane       |              |             | <1          |              |
| trans-1,3-Dichloropropene |              |             | <1          |              |
| Trichloroethene           |              |             | <1          |              |
| Dibromochloromethane      |              |             | <1          |              |
| 1,1,2-Trichloroethane     |              |             | <1          |              |
| Benzene                   |              |             | <1          |              |
| cis-1,3-Dichloropropene   |              |             | <1          |              |
| 2-Chloroethylvinylether   |              |             | <2          |              |
| Bromoform                 |              |             | <1          |              |
| 2-Hexanone                |              |             | <2          |              |
| 4-Methy-2-Pentanone       |              |             | <2          |              |
| Tetrachlorethene          |              |             | <1          |              |
| Toluene                   |              |             | <1          |              |
| Chlorobenzene             |              |             | <1          |              |
| Ethylbenzene              |              |             | <1          |              |
| Styrene                   |              |             | <1          |              |
| Total Xylenes             |              |             | <1          |              |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 40

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | <5   | <10   |
| Bromomethane              | <5    | <5   | <5   | <10   |
| Vinyl Chloride            | <5    | <5   | <5   | <10   |
| Chloroethane              | <5    | <5   | <5   | <10   |
| Methylene Chloride        | <5    | <5   | <5   | <25   |
| Acetone                   | <50   | <25  | <25  | <25   |
| Carbon Disulfide          | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethene        | <1    | <1   | <1   | <1    |
| 1,1-Dichloroethane        | <1    | <1   | <1   | <1    |
| trans-1,2-Dichloroethene  | 72    | <1   | <1   | <1    |
| Chloroform                | <1    | <1   | <1   | <1    |
| 1,2-Dichloroethane        | <1    | <1   | <1   | <1    |
| 2-Butanone                | <10   | <10  | <10  | <10   |
| 1,1,1-Trichloroethane     | 2     | <1   | <1   | <1    |
| Carbon Tetrachloride      | <1    | <1   | <1   | <1    |
| Vinyl Acetate             | <10   | <10  | <10  | <10   |
| Bromodichloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2,2-Tetrachloroethane | <1    | <1   | <1   | <1    |
| 1,2-Dichloropropane       | <1    | <1   | <1   | <1    |
| trans-1,3-Dichloropropene | <1    | <1   | <1   | <1    |
| Trichloroethene           | 290   | <1   | <1   | <1    |
| Dibromochloromethane      | <1    | <1   | <1   | <1    |
| 1,1,2-Trichloroethane     | <1    | <1   | <1   | <1    |
| Benzene                   | <1    | <1   | <1   | <1    |
| cis-1,3-Dichloropropene   | <1    | <1   | <1   | <1    |
| 2-Chloroethylvinylether   | <10   | <10  | <10  | <1    |
| Bromoform                 | <1    | <1   | <1   | <1    |
| 2-Hexanone                | <10   | <10  | <10  | <10   |
| 4-Methy-2-Pentanone       | <10   | <10  | <10  | <10   |
| Tetrachlorethene          | <1    | <1   | <1   | <1    |
| Toluene                   | <1    | <1   | <1   | <1    |
| Chlorobenzene             | <1    | <1   | <1   | <1    |
| Ethylbenzene              | <1    | <1   | <1   | <1    |
| Styrene                   | <1    | <1   | <1   | <1    |
| Total Xylenes             | <1    | <1   | 9.3  | <1    |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 41

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <10   | <5   | DRY  | DRY   |
| Bromomethane              | <10   | <5   |      |       |
| Vinyl Chloride            | <10   | <5   |      |       |
| Chloroethane              | <10   | <5   |      |       |
| Methylene Chloride        | <10   | <5   |      |       |
| Acetone                   | <100  | <25  |      |       |
| Carbon Disulfide          | <2    | <1   |      |       |
| 1,1-Dichloroethene        | <2    | <1   |      |       |
| 1,1-Dichloroethane        | <2    | <1   |      |       |
| trans-1,2-Dichloroethene  | <2    | <1   |      |       |
| Chloroform                | <2    | <1   |      |       |
| 1,2-Dichloroethane        | <2    | <1   |      |       |
| 2-Butanone                | <20   | <10  |      |       |
| 1,1,1-Trichloroethane     | <2    | <1   |      |       |
| Carbon Tetrachloride      | <2    | <1   |      |       |
| Vinyl Acetate             | <20   | <10  |      |       |
| Bromodichloromethane      | <2    | <1   |      |       |
| 1,1,2,2-Tetrachloroethane | <2    | <1   |      |       |
| 1,2-Dichloropropane       | <2    | <1   |      |       |
| trans-1,3-Dichloropropene | <2    | <1   |      |       |
| Trichloroethene           | <2    | <1   |      |       |
| Dibromochloromethane      | <2    | <1   |      |       |
| 1,1,2-Trichloroethane     | <2    | <1   |      |       |
| Benzene                   | <2    | <1   |      |       |
| cis-1,3-Dichloropropene   | <2    | <1   |      |       |
| 2-Chloroethylvinylether   | <20   | <10  |      |       |
| Bromoform                 | <2    | <1   |      |       |
| 2-Hexanone                | <20   | <10  |      |       |
| 4-Methy-2-Pentanone       | <20   | <10  |      |       |
| Tetrachlorethene          | <2    | <1   |      |       |
| Toluene                   | <2    | <1   |      |       |
| Chlorobenzene             | <2    | <1   |      |       |
| Ethylbenzene              | <2    | <1   |      |       |
| Styrene                   | <2    | <1   |      |       |
| Total Xylenes             | <2    | <1   |      |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 42

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             | <50          | <500        | <250        | <50          |
| Bromomethane              | <50          | <500        | <250        | <50          |
| Vinyl Chloride            | 440          | <500        | <250        | <50          |
| Chloroethane              | <50          | <500        | <250        | <50          |
| Methylene Chloride        | <50          | <1000       | <250        | <50          |
| Acetone                   | 640          | <2500       | <1300       | <250         |
| Carbon Disulfide          | <10          | <100        | <50         | <10          |
| 1,1-Dichloroethene        | <10          | <100        | <50         | <10          |
| 1,1-Dichloroethane        | <10          | <100        | <50         | <10          |
| trans-1,2-Dichloroethene  | <10          | <100        | <50         | <10          |
| Chloroform                | <10          | <100        | <50         | <10          |
| 1,2-Dichloroethane        | 3.6          | <100        | <50         | <10          |
| 2-Butanone                | <100         | <1000       | <500        | <100         |
| 1,1,1-Trichlorethane      | <10          | <100        | <50         | <10          |
| Carbon Tetrachloride      | <10          | <100        | <50         | <10          |
| Vinyl Acetate             | <100         | <1000       | <500        | <100         |
| Bromodichloromethane      | <10          | <100        | <50         | <10          |
| 1,1,2,2-Tetrachloroethane | <10          | <100        | <50         | <10          |
| 1,2-Dichloropropane       | <10          | <100        | <50         | <10          |
| trans-1,3-Dichloropropene | <10          | <100        | <50         | <10          |
| Trichloroethene           | <10          | <100        | <50         | <10          |
| Dibromochloromethane      | <10          | <100        | <50         | <10          |
| 1,1,2-Trichloroethane     | <10          | <100        | <50         | <10          |
| Benzene                   | 1000         | 1100        | 450         | 960          |
| cis-1,3-Dichloropropene   | <10          | <100        | <50         | <10          |
| 2-Chloroethylvinylether   | <100         | <1000       | <500        | <100         |
| Bromoform                 | <10          | <100        | <50         | <10          |
| 2-Hexanone                | <100         | <1000       | <500        | <100         |
| 4-Methy-2-Pentanone       | <100         | <1000       | <500        | <100         |
| Tetrachlorethene          | <10          | <100        | <50         | <10          |
| Toluene                   | 1100         | 3400        | 750         | 2200         |
| Chlorobenzene             | <10          | <100        | <50         | <10          |
| Ethylbenzene              | <10          | <100        | <50         | <10          |
| Styrene                   | <10          | <100        | <50         | <10          |
| Total Xylenes             | 460          | 1900        | 1600        | 2500         |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 43

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              | DRY         | DRY         | DRY          |
| Bromomethane              |              |             |             |              |
| Vinyl Chloride            |              |             |             |              |
| Chloroethane              |              |             |             |              |
| Methylene Chloride        |              |             |             |              |
| Acetone                   |              |             |             |              |
| Carbon Disulfide          |              |             |             |              |
| 1,1-Dichloroethene        |              |             |             |              |
| 1,1-Dichloroethane        |              |             |             |              |
| trans-1,2-Dichloroethene  |              |             |             |              |
| Chloroform                |              |             |             |              |
| 1,2-Dichloroethane        |              |             |             |              |
| 2-Butanone                |              |             |             |              |
| 1,1,1-Trichlorethane      |              |             |             |              |
| Carbon Tetrachloride      |              |             |             |              |
| Vinyl Acetate             |              |             |             |              |
| Bromodichloromethane      |              |             |             |              |
| 1,1,2,2-Tetrachloroethane |              |             |             |              |
| 1,2-Dichloropropane       |              |             |             |              |
| trans-1,3-Dichloropropene |              |             |             |              |
| Trichloroethene           |              |             |             |              |
| Dibromochloromethane      |              |             |             |              |
| 1,1,2-Trichloroethane     |              |             |             |              |
| Benzene                   |              |             |             |              |
| cis-1,3-Dichloropropene   |              |             |             |              |
| 2-Chloroethylvinylether   |              |             |             |              |
| Bromoform                 |              |             |             |              |
| 2-Hexanone                |              |             |             |              |
| 4-Methy-2-Pentanone       |              |             |             |              |
| Tetrachlorethene          |              |             |             |              |
| Toluene                   |              |             |             |              |
| Chlorobenzene             |              |             |             |              |
| Ethylbenzene              |              |             |             |              |
| Styrene                   |              |             |             |              |
| Total Xylenes             |              |             |             |              |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 44

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              | DRY         | DRY         | DRY          |
| Bromomethane              |              |             |             |              |
| Vinyl Chloride            |              |             |             |              |
| Chloroethane              |              |             |             |              |
| Methylene Chloride        |              |             |             |              |
| Acetone                   |              |             |             |              |
| Carbon Disulfide          |              |             |             |              |
| 1,1-Dichloroethene        |              |             |             |              |
| 1,1-Dichloroethane        |              |             |             |              |
| trans-1,2-Dichloroethene  |              |             |             |              |
| Chloroform                |              |             |             |              |
| 1,2-Dichloroethane        |              |             |             |              |
| 2-Butanone                |              |             |             |              |
| 1,1,1-Trichloroethane     |              |             |             |              |
| Carbon Tetrachloride      |              |             |             |              |
| Vinyl Acetate             |              |             |             |              |
| Bromodichloromethane      |              |             |             |              |
| 1,1,2,2-Tetrachloroethane |              |             |             |              |
| 1,2-Dichloropropane       |              |             |             |              |
| trans-1,3-Dichloropropene |              |             |             |              |
| Trichloroethene           |              |             |             |              |
| Dibromochloromethane      |              |             |             |              |
| 1,1,2-Trichloroethane     |              |             |             |              |
| Benzene                   |              |             |             |              |
| cis-1,3-Dichloropropene   |              |             |             |              |
| 2-Chloroethylvinylether   |              |             |             |              |
| Bromoform                 |              |             |             |              |
| 2-Hexanone                |              |             |             |              |
| 4-Methy-2-Pentanone       |              |             |             |              |
| Tetrachlorethene          |              |             |             |              |
| Toluene                   |              |             |             |              |
| Chlorobenzene             |              |             |             |              |
| Ethylbenzene              |              |             |             |              |
| Styrene                   |              |             |             |              |
| Total Xylenes             |              |             |             |              |



HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 45

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              | DRY         | DRY         | DRY          |
| Bromomethane              |              |             |             |              |
| Vinyl Chloride            |              |             |             |              |
| Chloroethane              |              |             |             |              |
| Methylene Chloride        |              |             |             |              |
| Acetone                   |              |             |             |              |
| Carbon Disulfide          |              |             |             |              |
| 1,1-Dichloroethene        |              |             |             |              |
| 1,1-Dichloroethane        |              |             |             |              |
| trans-1,2-Dichloroethene  |              |             |             |              |
| Chloroform                |              |             |             |              |
| 1,2-Dichloroethane        |              |             |             |              |
| 2-Butanone                |              |             |             |              |
| 1,1,1-Trichlorethane      |              |             |             |              |
| Carbon Tetrachloride      |              |             |             |              |
| Vinyl Acetate             |              |             |             |              |
| Bromodichloromethane      |              |             |             |              |
| 1,1,2,2-Tetrachloroethane |              |             |             |              |
| 1,2-Dichloropropane       |              |             |             |              |
| trans-1,3-Dichloropropene |              |             |             |              |
| Trichloroethene           |              |             |             |              |
| Dibromochloromethane      |              |             |             |              |
| 1,1,2-Trichloroethane     |              |             |             |              |
| Benzene                   |              |             |             |              |
| cis-1,3-Dichloropropene   |              |             |             |              |
| 2-Chloroethylvinylether   |              |             |             |              |
| Bromoform                 |              |             |             |              |
| 2-Hexanone                |              |             |             |              |
| 4-Methy-2-Pentanone       |              |             |             |              |
| Tetrachlorethene          |              |             |             |              |
| Toluene                   |              |             |             |              |
| Chlorobenzene             |              |             |             |              |
| Ethylbenzene              |              |             |             |              |
| Styrene                   |              |             |             |              |
| Total Xylenes             |              |             |             |              |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 46

| Sampling Date             | 12/87 | 4/88 | 7/88 | 10/88 |
|---------------------------|-------|------|------|-------|
| Compound                  | ug/L  | ug/L | ug/L | ug/L  |
| Chloromethane             | <5    | <5   | DRY  | DRY   |
| Bromomethane              | <5    | <5   |      |       |
| Vinyl Chloride            | <5    | <5   |      |       |
| Chloroethane              | <5    | <5   |      |       |
| Methylene Chloride        | <5    | <5   |      |       |
| Acetone                   | <50   | <25  |      |       |
| Carbon Disulfide          | <1    | <1   |      |       |
| 1,1-Dichloroethene        | <1    | <1   |      |       |
| 1,1-Dichloroethane        | <1    | <1   |      |       |
| trans-1,2-Dichloroethene  | <1    | <1   |      |       |
| Chloroform                | <1    | <1   |      |       |
| 1,2-Dichloroethane        | <1    | <1   |      |       |
| 2-Butanone                | <10   | <10  |      |       |
| 1,1,1-Trichloroethane     | <1    | <1   |      |       |
| Carbon Tetrachloride      | <1    | <1   |      |       |
| Vinyl Acetate             | <10   | <10  |      |       |
| Bromodichloromethane      | <1    | <1   |      |       |
| 1,1,2,2-Tetrachloroethane | <1    | <1   |      |       |
| 1,2-Dichloropropane       | <1    | <1   |      |       |
| trans-1,3-Dichloropropene | <1    | <1   |      |       |
| Trichloroethene           | <1    | <1   |      |       |
| Dibromochloromethane      | <1    | <1   |      |       |
| 1,1,2-Trichloroethane     | <1    | <1   |      |       |
| Benzene                   | <1    | <1   |      |       |
| cis-1,3-Dichloropropene   | <1    | <1   |      |       |
| 2-Chloroethylvinylether   | <10   | <10  |      |       |
| Bromoform                 | <1    | <1   |      |       |
| 2-Hexanone                | <10   | <10  |      |       |
| 4-Methy-2-Pentanone       | <10   | <10  |      |       |
| Tetrachlorethene          | <1    | <1   |      |       |
| Toluene                   | <1    | <1   |      |       |
| Chlorobenzene             | <1    | <1   |      |       |
| Ethylbenzene              | <1    | <1   |      |       |
| Styrene                   | <1    | <1   |      |       |
| Total Xylenes             | <1    | <1   |      |       |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 47

| Sampling Date             | 12/87  | 4/88   | 7/88   | 10/88    |
|---------------------------|--------|--------|--------|----------|
| Compound                  | ug/L   | ug/L   | ug/L   | ug/L     |
| Chloromethane             | <1000  | <500   | <5000  | <500000  |
| Bromomethane              | <1000  | <500   | <5000  | <500000  |
| Vinyl Chloride            | <1000  | <500   | <5000  | <500000  |
| Chloroethane              | <1000  | <500   | <5000  | <500000  |
| Methylene Chloride        | <1000  | <500   | <5000  | <500000  |
| Acetone                   | <10000 | <5000  | <25000 | <2500000 |
| Carbon Disulfide          | <200   | <100   | <1000  | <100000  |
| 1,1-Dichloroethene        | <200   | <100   | <1000  | <100000  |
| 1,1-Dichloroethane        | <200   | <100   | <1000  | <100000  |
| trans-1,2-Dichloroethene  | <200   | <200   | <1000  | <100000  |
| Chloroform                | <200   | <100   | <1000  | <100000  |
| 1,2-Dichloroethane        | <200   | <100   | <1000  | <100000  |
| 2-Butanone                | <2000  | <1000  | <10000 | <1000000 |
| 1,1,1-Trichloroethane     | <200   | <100   | <1000  | <100000  |
| Carbon Tetrachloride      | <200   | <100   | <1000  | <100000  |
| Vinyl Acetate             | <2000  | <1000  | <10000 | <1000000 |
| Bromodichloromethane      | <200   | <100   | <1000  | <100000  |
| 1,1,2,2-Tetrachloroethane | <200   | <100   | <1000  | <100000  |
| 1,2-Dichloropropane       | <200   | <100   | <1000  | <100000  |
| trans-1,3-Dichloropropene | <200   | <100   | <1000  | <100000  |
| Trichloroethene           | <200   | <100   | <1000  | <100000  |
| Dibromochloromethane      | <200   | <100   | <1000  | <100000  |
| 1,1,2-Trichloroethane     | <200   | <100   | <1000  | <100000  |
| Benzene                   | <200   | 300    | <1000  | <100000  |
| cis-1,3-Dichloropropene   | <200   | <100   | <1000  | <100000  |
| 2-Chloroethylvinylether   | <2000  | <1000  | <10000 | <1000000 |
| Bromoform                 | <200   | <100   | <1000  | <100000  |
| 2-Hexanone                | <2000  | <1000  | <1000  | <1000000 |
| 4-Methy-2-Pentanone       | <2000  | <1000  | <10000 | <1000000 |
| Tetrachlorethene          | <200   | <100   | <10000 | <100000  |
| Toluene                   | 4400   | 15000  | 13000  | 1500000  |
| Chlorobenzene             | <200   | <100   | <1000  | <100000  |
| Ethylbenzene              | 21000  | 24000  | 16000  | 3600000  |
| Styrene                   | <200   | <100   | <1000  | <100000  |
| Total Xylenes             | 80000  | 160000 | 120000 | 18000000 |

HATCHER-SAYRE, INC.

ANNUAL SUMMARY OF QUARTERLY SAMPLING

WELL I.D. 48

| Sampling Date             | <u>12/87</u> | <u>4/88</u> | <u>7/88</u> | <u>10/88</u> |
|---------------------------|--------------|-------------|-------------|--------------|
| <u>Compound</u>           | <u>ug/L</u>  | <u>ug/L</u> | <u>ug/L</u> | <u>ug/L</u>  |
| Chloromethane             |              | DRY         | DRY         | DRY          |
| Bromomethane              |              |             |             |              |
| Vinyl Chloride            |              |             |             |              |
| Chloroethane              |              |             |             |              |
| Methylene Chloride        |              |             |             |              |
| Acetone                   |              |             |             |              |
| Carbon Disulfide          |              |             |             |              |
| 1,1-Dichloroethene        |              |             |             |              |
| 1,1-Dichloroethane        |              |             |             |              |
| trans-1,2-Dichloroethene  |              |             |             |              |
| Chloroform                |              |             |             |              |
| 1,2-Dichloroethane        |              |             |             |              |
| 2-Butanone                |              |             |             |              |
| 1,1,1-Trichloroethane     |              |             |             |              |
| Carbon Tetrachloride      |              |             |             |              |
| Vinyl Acetate             |              |             |             |              |
| Bromodichloromethane      |              |             |             |              |
| 1,1,2,2-Tetrachloroethane |              |             |             |              |
| 1,2-Dichloropropane       |              |             |             |              |
| trans-1,3-Dichloropropene |              |             |             |              |
| Trichloroethene           |              |             |             |              |
| Dibromochloromethane      |              |             |             |              |
| 1,1,2-Trichloroethane     |              |             |             |              |
| Benzene                   |              |             |             |              |
| cis-1,3-Dichloropropene   |              |             |             |              |
| 2-Chloroethylvinylether   |              |             |             |              |
| Bromoform                 |              |             |             |              |
| 2-Hexanone                |              |             |             |              |
| 4-Methy-2-Pentanone       |              |             |             |              |
| Tetrachlorethene          |              |             |             |              |
| Toluene                   |              |             |             |              |
| Chlorobenzene             |              |             |             |              |
| Ethylbenzene              |              |             |             |              |
| Styrene                   |              |             |             |              |
| Total Xylenes             |              |             |             |              |

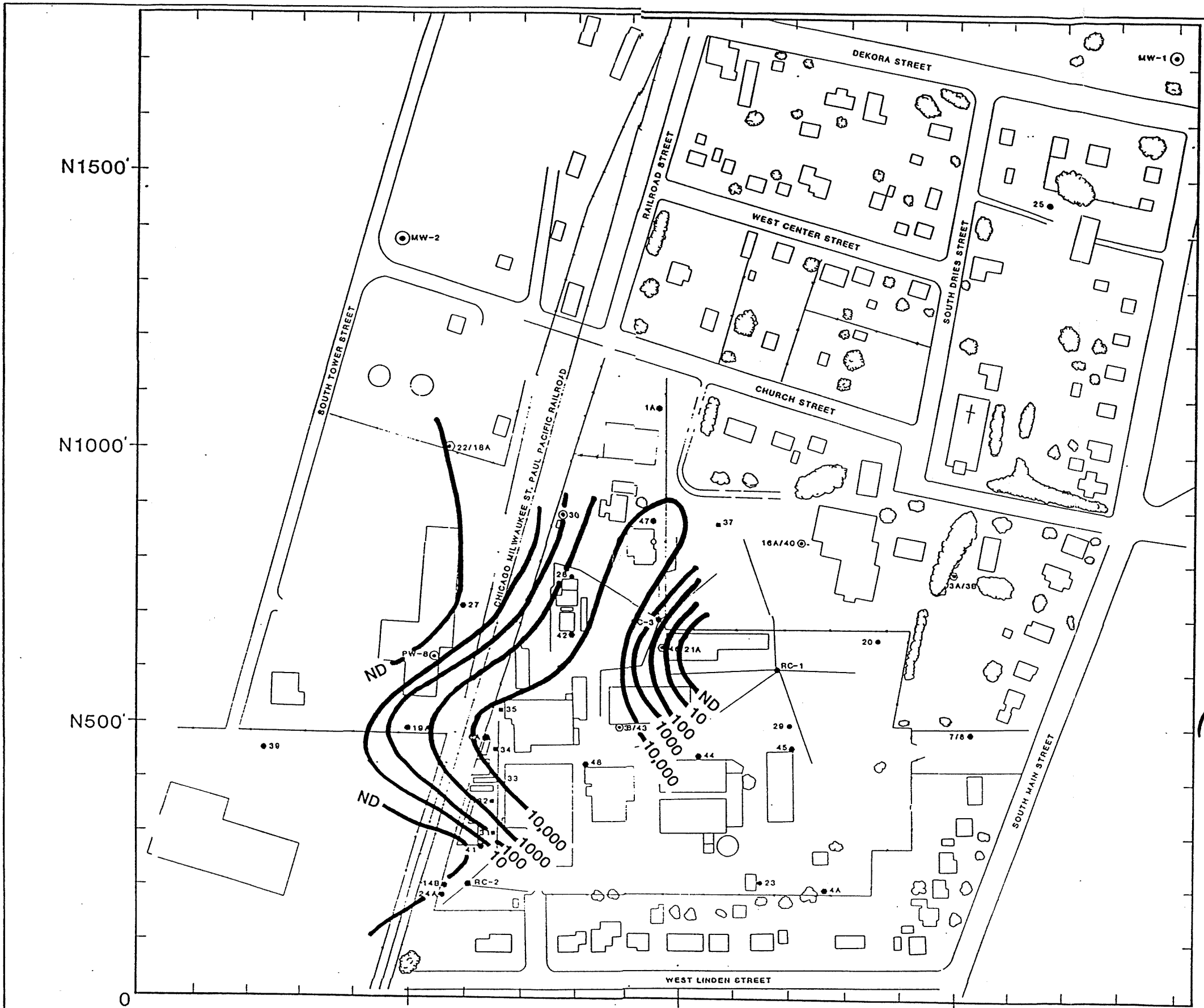
APPENDIX C  
TOTAL VOC CONCENTRATION MAPS

Glacial Wells Without Ranney Collection Data

- 1) December, 1987
- 2) April, 1988
- 3) July, 1988
- 4) October, 1988

Shallow Dolomite Wells

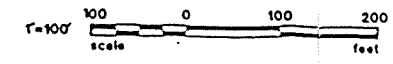
- 1) December, 1987
- 2) April, 1988
- 3) July, 1988
- 4) October, 1988



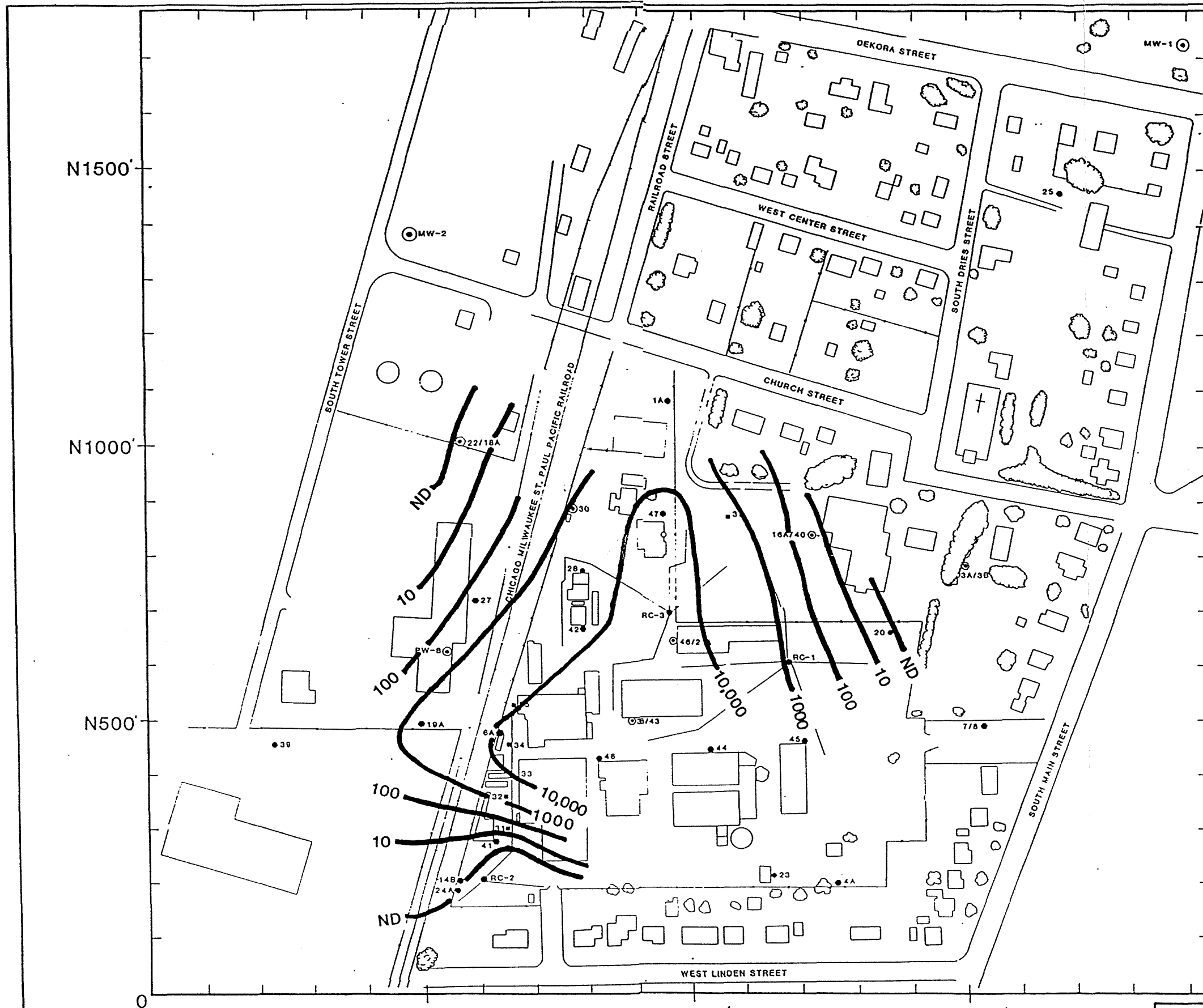
- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
  - TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP, WITHOUT RANNEY COLLECTION DATA

GLACIAL WELLS FOR DECEMBER, 1987

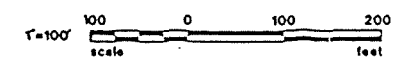


|                                              |                  |                       |
|----------------------------------------------|------------------|-----------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                       |
| MONITORING WELL LOCATION MAP                 |                  |                       |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.      |
| Scale: As Noted                              |                  | Approved By: G.L.B.   |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                       |
| Job No.:<br>0001-003                         |                  | Drawing No.:<br>H-018 |

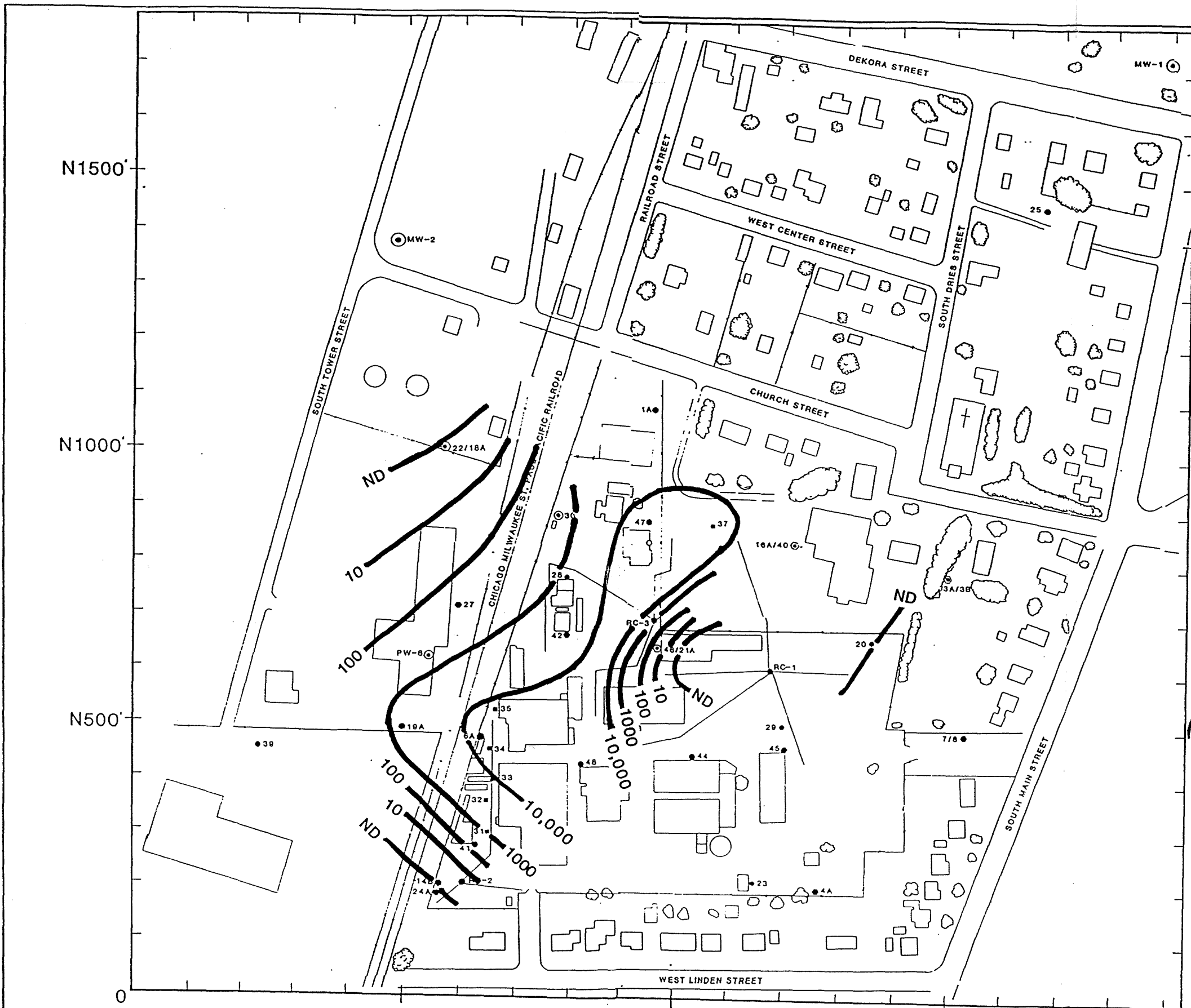


- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
  - 100 TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP, WITHOUT RANNEY COLLECTION DATA  
 GLACIAL WELLS FOR APRIL, 1988



|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |

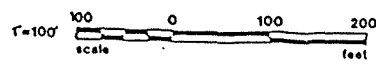


**LEGEND**

- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
- 100' TOTAL VOC ISOCONCENTRATION (ug/l)

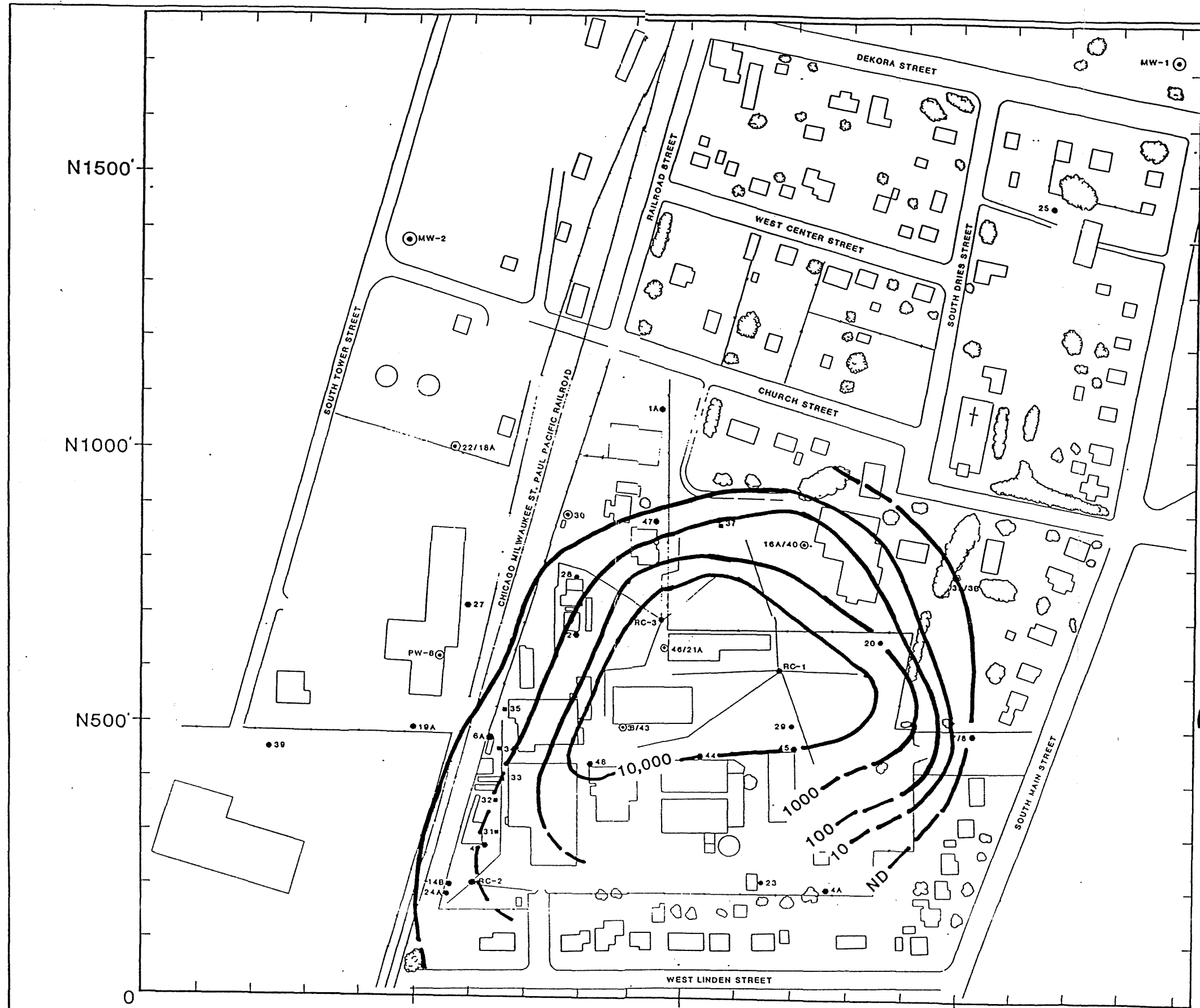
TOTAL VOC CONCENTRATION MAP, WITHOUT RANNEY COLLECTION DATA

GLACIAL WELLS FOR OCTOBER, 1988



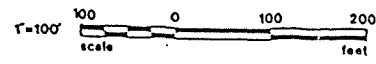
|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/88                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |



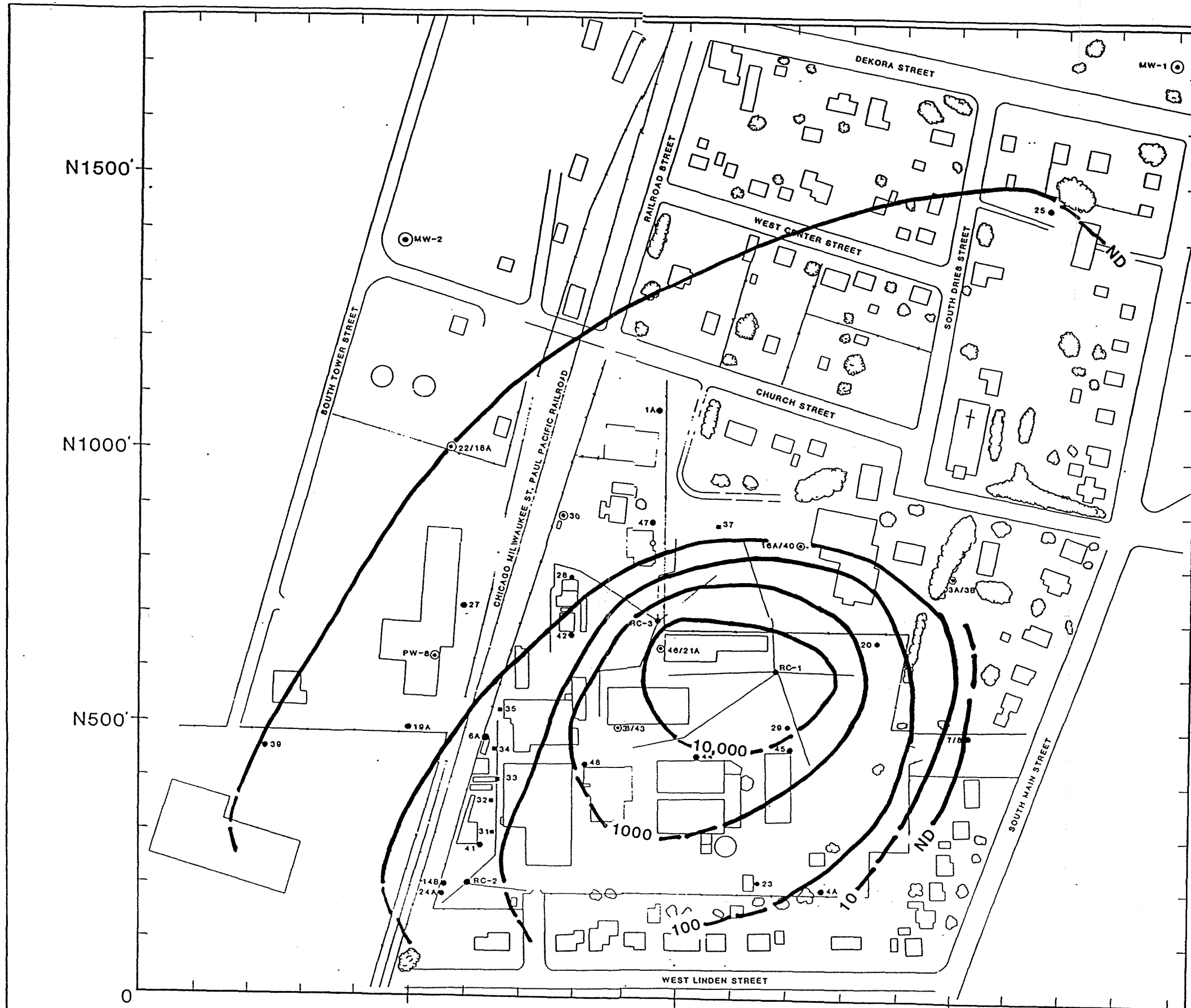


- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊕ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
- 100  
 TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP,  
 SHALLOW DOLOMITE WELLS FOR DECEMBER, 1987



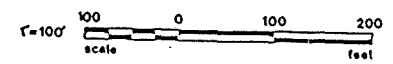
|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| HATCHER-SAYRE, INC.                          |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |



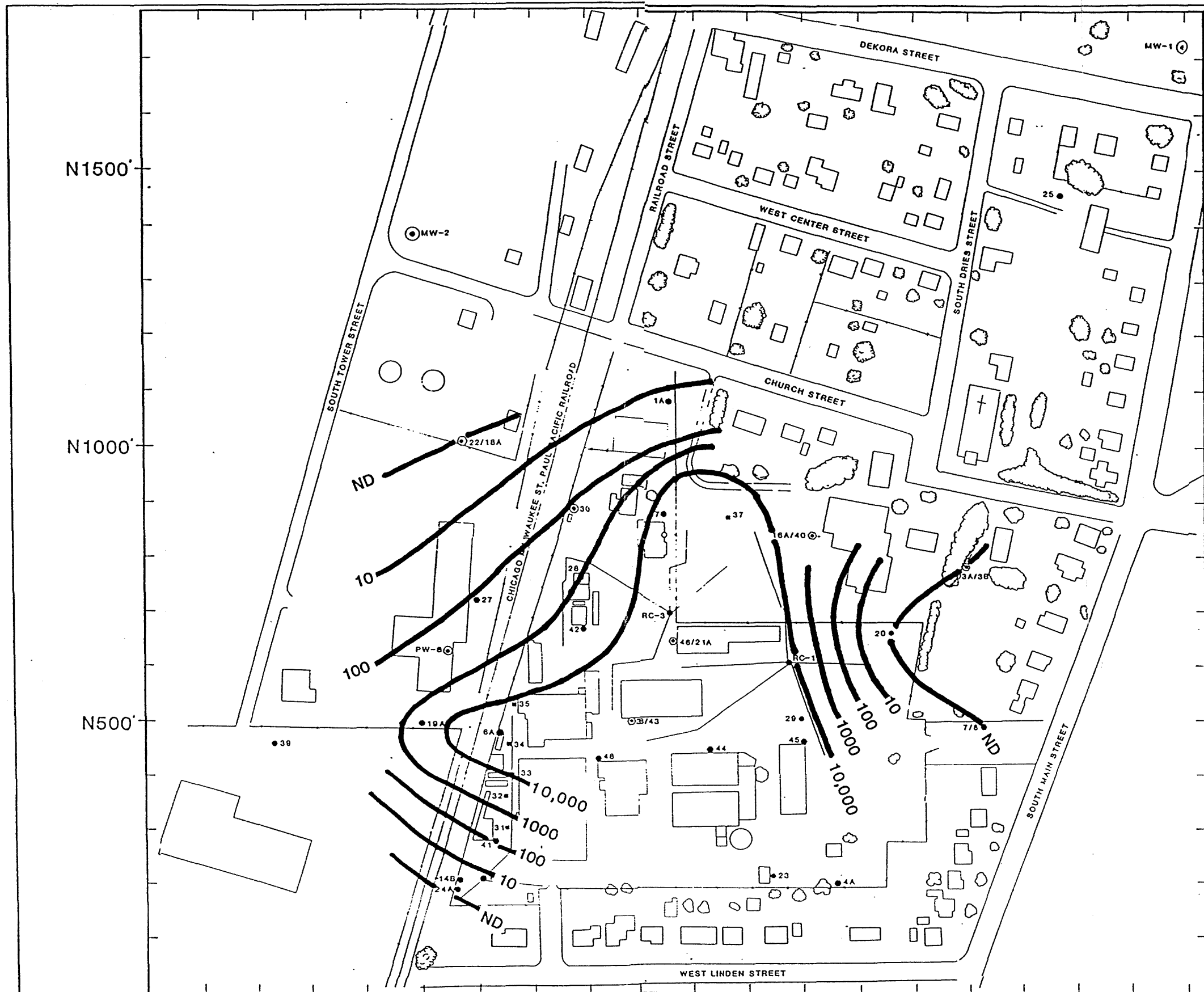
**LEGEND**

- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
- 100  
1000  
10000  
TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP,  
SHALLOW DOLOMITE WELLS FOR JULY, 1988 (ANNUAL)



|                                              |                  |                       |
|----------------------------------------------|------------------|-----------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                       |
| MONITORING WELL LOCATION MAP                 |                  |                       |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.      |
| Scale: As Noted                              |                  | Approved By: G.L.B.   |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                       |
| Job No.:<br>0001-003                         |                  | Drawing No.:<br>H-018 |



**LEGEND**

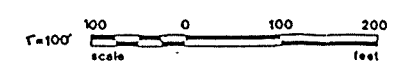
- DEEP DOLOMITE WELL
- SHALLOW DOLOMITE WELL
- GLACIAL OVERBURDEN WELL
- GLACIAL OVERBURDEN WITHDRAWAL WELL
- GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
- RANNEY TYPE COLLECTOR

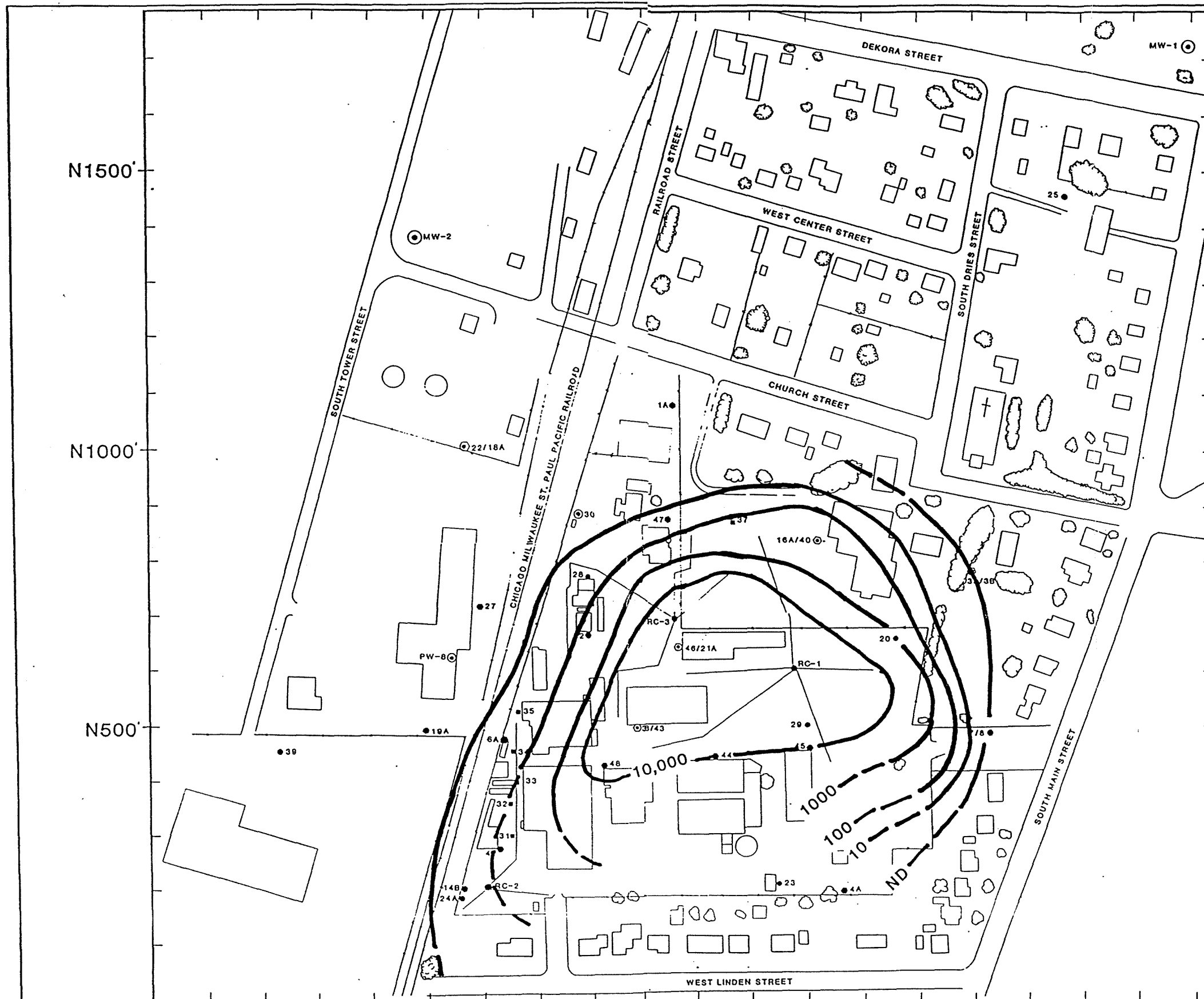
100 TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP, WITHOUT RANNEY COLLECTION DATA

GLACIAL WELLS FOR JULY, 1988 (ANNUAL)

|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/88                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |

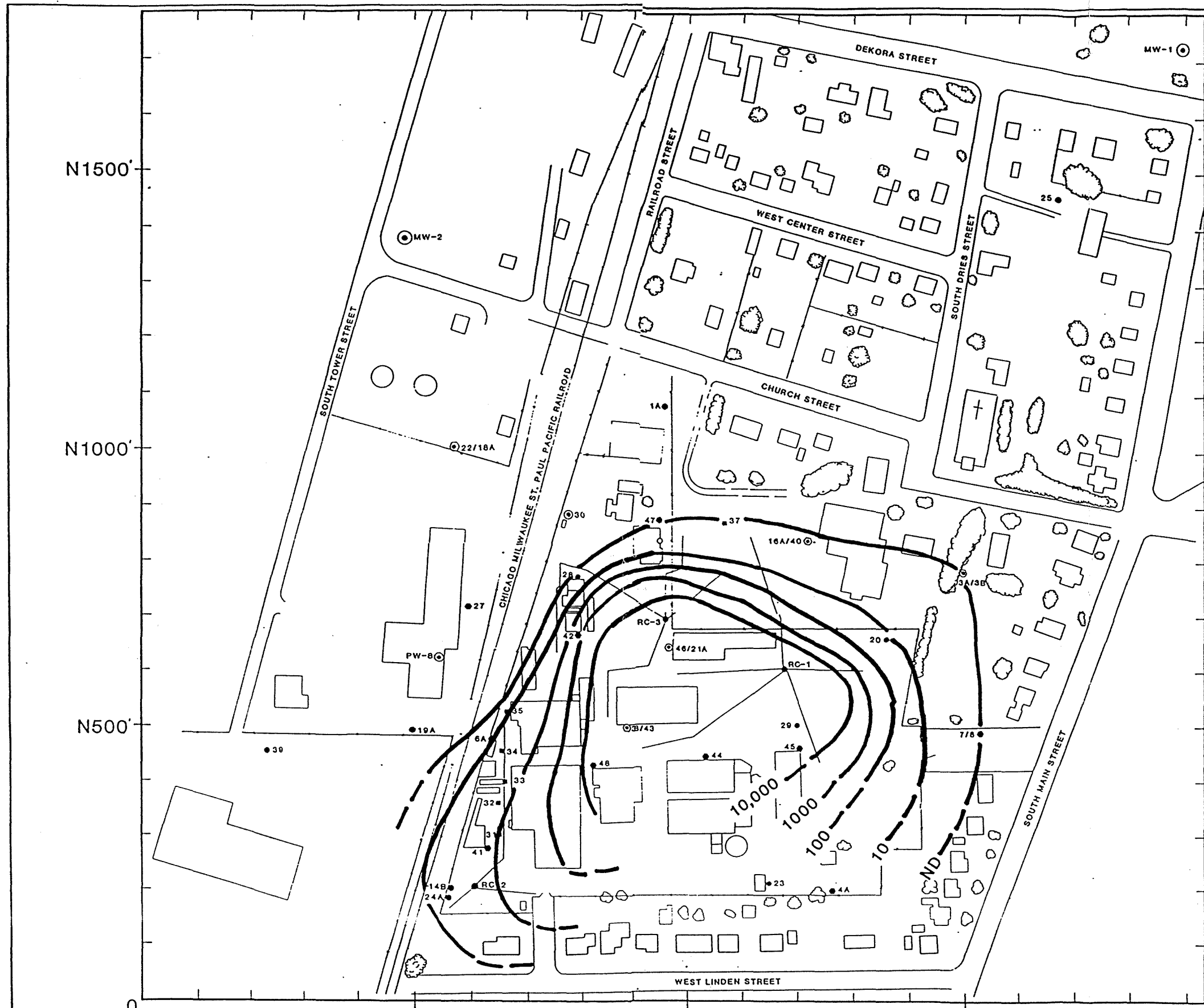




- LEGEND**
- ⊙ DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
- 1000  
10000  
100  
10  
ND
- TOTAL VOC ISOCONCENTRATION (ug/l)**

TOTAL VOC CONCENTRATION MAP,  
SHALLOW DOLOMITE WELLS FOR DECEMBER, 1987

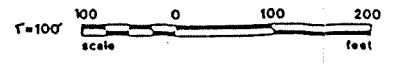
|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |



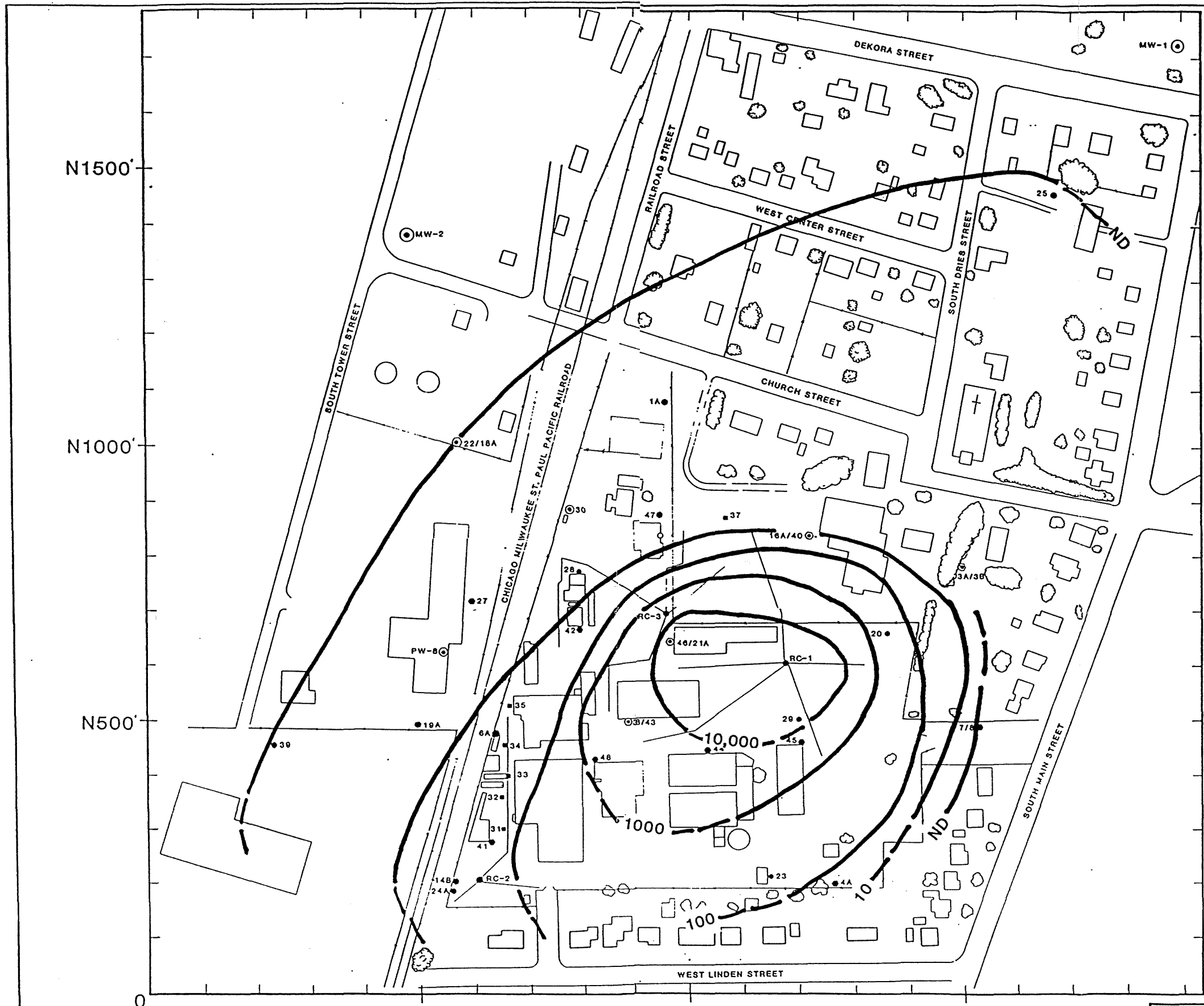
**LEGEND**

- DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
- 100 --- TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP,  
SHALLOW DOLOMITE WELLS FOR APRIL, 1988



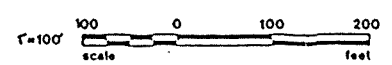
|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |

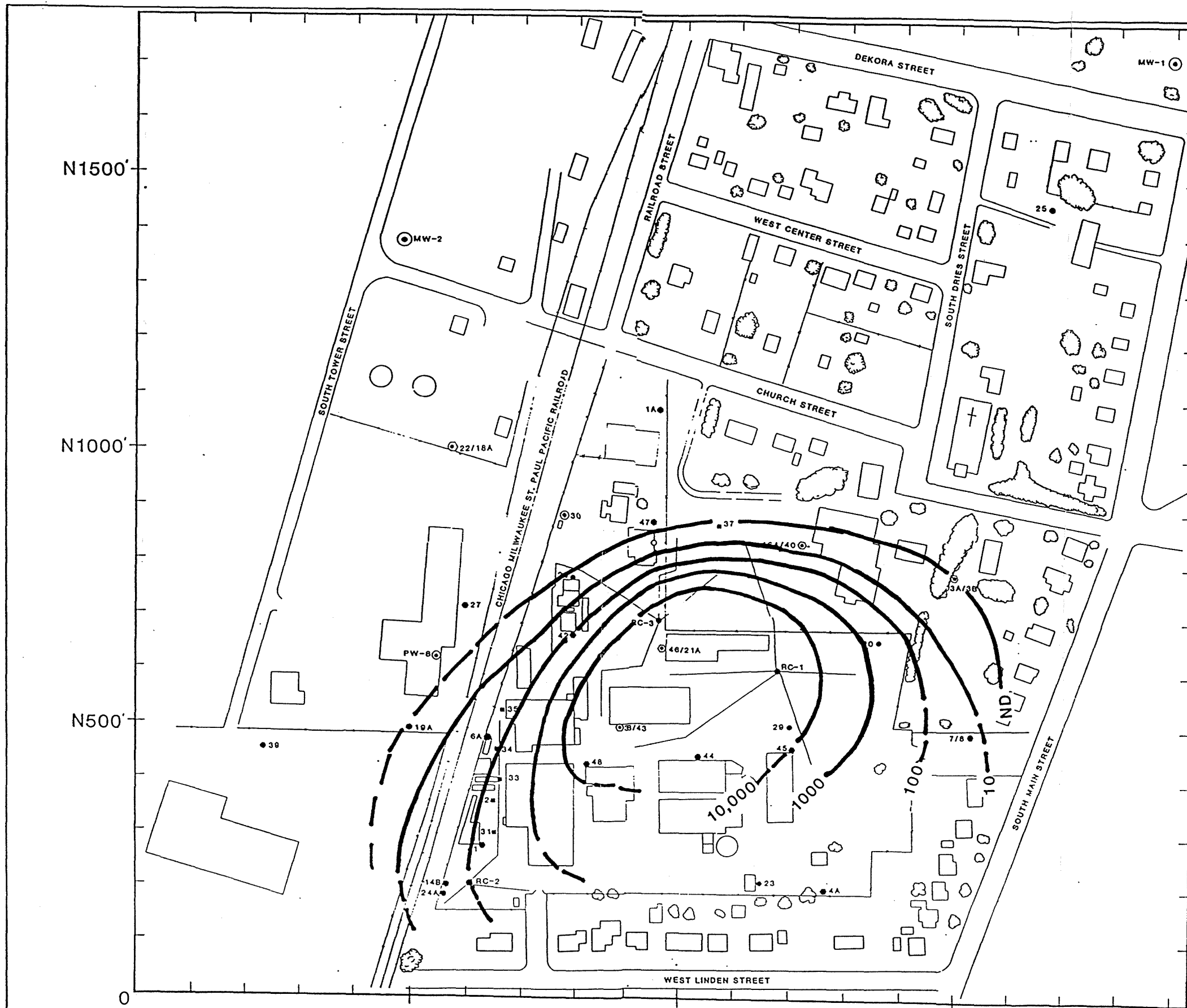


- LEGEND**
- DEEP DOLOMITE WELL
  - SHALLOW DOLOMITE WELL
  - GLACIAL OVERBURDEN WELL
  - GLACIAL OVERBURDEN WITHDRAWAL WELL
  - GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
  - RANNEY TYPE COLLECTOR
  - 100 — TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP,  
 SHALLOW DOLOMITE WELLS FOR JULY, 1988 (ANNUAL)

|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/88                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |

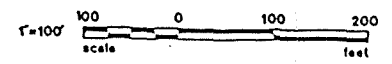




**LEGEND**

- ⊙ DEEP DOLOMITE WELL
- SHALLOW DOLOMITE WELL
- GLACIAL OVERBURDEN WELL
- GLACIAL OVERBURDEN WITHDRAWAL WELL
- ⊙ GLACIAL OVERBURDEN / SHALLOW DOLOMITE WELL NEST
- RANNEY TYPE COLLECTOR
- 100 — TOTAL VOC ISOCONCENTRATION (ug/l)

TOTAL VOC CONCENTRATION MAP,  
SHALLOW DOLOMITE WELLS FOR OCTOBER, 1988



|                                              |                  |                     |
|----------------------------------------------|------------------|---------------------|
| Freeman Chemical Co.<br>Saukville, Wisconsin |                  |                     |
| MONITORING WELL LOCATION MAP                 |                  |                     |
| Date: 12/4/86                                | REVISED 12-16-88 | Drawn By: C.E.W.    |
| Scale: As Noted                              |                  | Approved By: G.L.B. |
| <b>HATCHER-SAYRE, INC.</b>                   |                  |                     |
| Job No.: 0001-003                            |                  | Drawing No.: H-018  |