# **Kerr-McGee Chemical Corporation**

# Technical Memorandum

Predesign Task 8 - Phase I Groundwater Utilization Survey

Moss-American Site Milwaukee, Wisconsin

January 1992

Vernon Hills, Illinois





ROY F. WESTON, INC.
THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, ILLINOIS 60061
708-918-4000

## 4 February 1992

Director, Waste Management Division Attn: Moss-American Site Remedial Project Manager (HSRW-6J) U.S. Environmental Protection Agency 77 West Jackson Blvd. Chicago, Illinois 60604

Subject:

Technical Memorandum - Predesign Task 8

Moss-American Site, Milwaukee, WI

#### Gentlemen:

Roy F. Weston, Inc. is hereby transmitting the above-referenced document on behalf of the settling defendant for the Moss-American Superfund Site, Kerr-McGee Chemical Corporation (KMCC).

Please direct any comments regarding this deliverable to the undersigned.

Very truly yours,

ROY F. WESTON, INC.

Gary J. Deigan

Senior Project Manager

Bay Decgai

Kurt S. Stimpson

**Project Director** 

GJD/KSS/lh

Enclosure

\WO\MOSSAMER\6061.LTR

U.S. EPA

-2-

4 February 1992

cc:

Mr. Mark Krippel, Project Manager Kerr-McGee Chemical Corporation 798 W. Factory St. West Chicago, IL 60186 Mr. Jim Schmidt (2 copies)
Department of Natural Resources
Southeast District Office
P.O. Box 12436
Milwaukee, WI 53212

Mr. George B. Rice Kerr-McGee Chemical Corporation P.O. Box 25861 Oklahoma City, Oklahoma 73125

Mr. Richard Meserve Covington & Burling 1201 Pennsylvania Avenue N.W. P.O. Box 7566 Washington, D.C. 20044

Regional Counsel (1 copy)
Attn: Moss-American Site Coordinator (5CS)
U.S. Environmental Protection Agency
77 West Jackson Blvd.
Chicago, IL 60604

Assistant Attorney General (1 copy)
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
Ref. D.J. #90-11-2-590

Section Chief (3 copies)
Environmental Response and Repair Section
Bureau of Solid and Hazardous Waste Management
Department of Natural Resources
101 S. Webster Street
P.O. Box 7921
Madison, WI 53707-7921

# TECHNICAL MEMORANDUM **PREDESIGN TASK 8** PHASE 1 GROUNDWATER UTILIZATION SURVEY

# Prepared for

Kerr-McGee Chemical Corporation Oklahoma City, Oklahoma

**Project Geologist** 

Senior Project Manager

Kurt S. Stimpson

Project Director

Prepared by

Roy F. Weston, Inc. Three Hawthorn Parkway Vernon Hills, Illinois 60061

January 1992

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#### SECTION 1

#### INTRODUCTION

## 1.1 OBJECTIVES

This Phase I groundwater utilization survey was designed to identify groundwater uses in the vicinity of the former wood preserving plant. Specific objectives included:

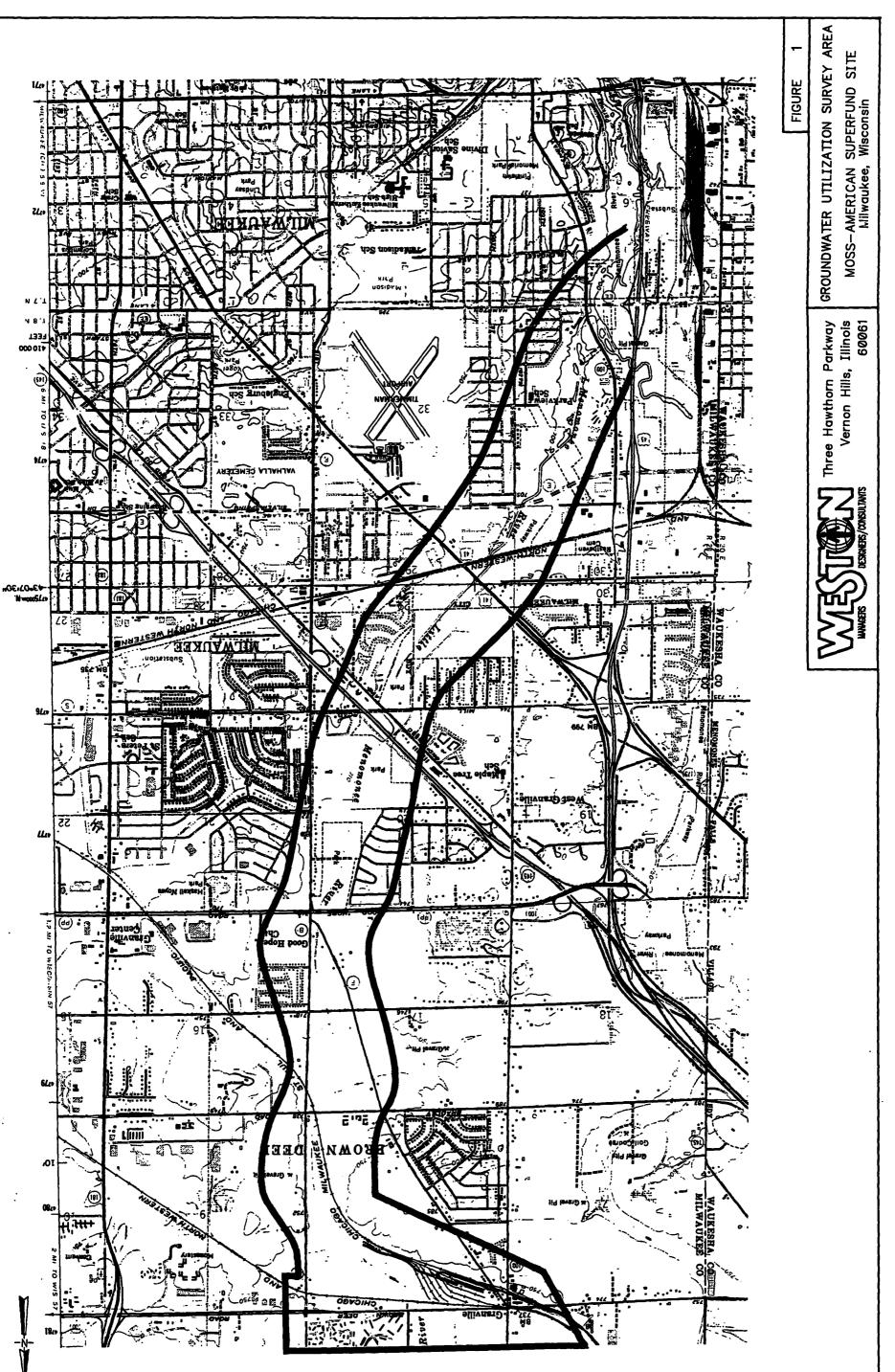
- Determining the number and location of residential, commercial, and industrial water supply wells in the vicinity of the former wood preserving plant.
- Determining the aquifer systems being utilized by any water supply wells identified in the survey area.
- Collecting information such as well construction, pumping rates, water use, and water treatment on any wells identified in the survey area.

The survey information can also be used to determine potential impacts which remediation activities may have on water supply wells. Specifically, Chapter NR 112 of the Wisconsin Administrative Code restricts the development of land disposal units within 1,200 feet of a water supply well.

The second phase of this groundwater utilization survey will entail conducting informational interviews with property owners and others who may be able to further verify the information presented herein. The second phase activities will not be conducted until United States Environmental Protection Agency (U.S. EPA) and Wisconsin Department of Natural Resources (WDNR) have completed review of this Technical Memorandum and appropriate community relations activities have been completed. Kerr-McGee Chemical Corp. will continue to coordinate community relations activities with U.S. EPA.

### 1.2 STUDY AREA

The groundwater utilization survey encompasses an area within a one-quarter mile radius of the former wood preserving plant property boundaries, and within one-quarter mile along each side of the Little Menomonee River for approximately 5 miles downstream of the former wood preserving plant (Figure 1). This area includes the site as defined in the Record of Decision (ROD) plus the one-quarter mile radius.



#### **SECTION 2**

#### SOURCES OF INFORMATION

This subsection discusses the information sources that were utilized for the purpose of the survey. Most of the information summarized in this report was obtained by mail or by telephone. Records of phone conversation are presented in Appendix D. Well abandonment reports were inspected in person by a WESTON geologist at the WDNR office in Milwaukee.

#### 2.1 U.S. EPA

According to the U.S. EPA, no Field Investigation Team Report exists for the Moss-American Site because these reports were not being produced in 1982-1983. Information obtained from the EPA included phone conversation records dated May 11, 1983, which stated that there were 150 water supply wells within a 3-mile radius of the site, but no wells within 1 mile of the site.

The relevant information provided by U.S. EPA is contained in Appendix A.

## 2.2 United States Geological Survey

The United States Geological Survey (USGS) Information Center was contacted. The USGS does not maintain information on water supply wells and suggested contacting the Wisconsin Department of Natural Resources.

## 2.3 <u>Wisconsin State Agencies</u>

The WDNR in Milwaukee provided a 1978 list of existing and/or active water supply wells within the Milwaukee city limits (Appendix B). WESTON identified which of the listed wells fell within the survey area and then searched WDNR files for well abandonment reports that could have been filed for these wells since 1978.

The Wisconsin Geological and Natural History Survey (WGNHS) in Madison maintains records of Well Constructor's Reports and Geologic logs. These records are submitted to the state by water well contractors. WESTON obtained these reports for all wells constructed in Sections 8 and 29 of Township 8 North, Range 21 East (Appendix C). Section 8 includes the former wood preserving plant. Because of the volume of well reports for each section, they were not obtained for the other sections within the survey area.

However, the list of wells compiled by the City of Milwaukee is believed to include all existing and/or active wells as of 1978.

The Wisconsin Public Health Department was also contacted; the department indicated that they do not have well records.

### 2.4 Milwaukee City Agencies

The Milwaukee Public Health Department indicated that they do not have any records or information on sources of public water.

The Milwaukee Water Engineering Department provided WESTON with information on the time period for water main construction in the survey area. However, the department does not have records of when or if individual households were connected to the water main.

The plumbing inspector's office was also contacted. The office informed WESTON that if a household was within 200 feet of a water main then the home owner is issued an order to connect to city water.

The drinking water testing office was contacted and given a list of potential wells in the survey area. The office keeps records of water samples taken from wells in Milwaukee for five years. Samples are taken only by request. There are no sample records on file for wells within the survey area nor wells in the vicinity of the survey area.

## 2.5 Water Well Drillers

Local well drilling firms were contacted. They do not keep records of Well Constructor's Reports, but as indicated in Subsection 2.3, they do submit these reports to the WGNHS. The drilling firms did provide estimates of typical aquifer yield in the survey area.

#### **SECTION 3**

#### PHASE I SURVEY FINDINGS

The Milwaukee Water Engineering Department indicated that water mains were constructed in 1961 along the stretch of Granville Road directly west of the facility. Since the late 1950s, no private wells have been constructed in the survey area. In other words, no wells were constructed within the survey area after municipal water was available. Well abandonment reports have been filed for all wells except for the seven wells identified in Table 1 within the survey area. According to the WDNR, it is possible for wells to be abandoned and a report not filed. However, because no records are on file for abandonment of these seven wells, they are considered as potentially active wells for the purposes of this survey. The locations of the seven wells are shown in Figure 2. The well abandonment reports on file at the WDNR included documentation of well abandonment for a well located in the former wood preserving plant site.

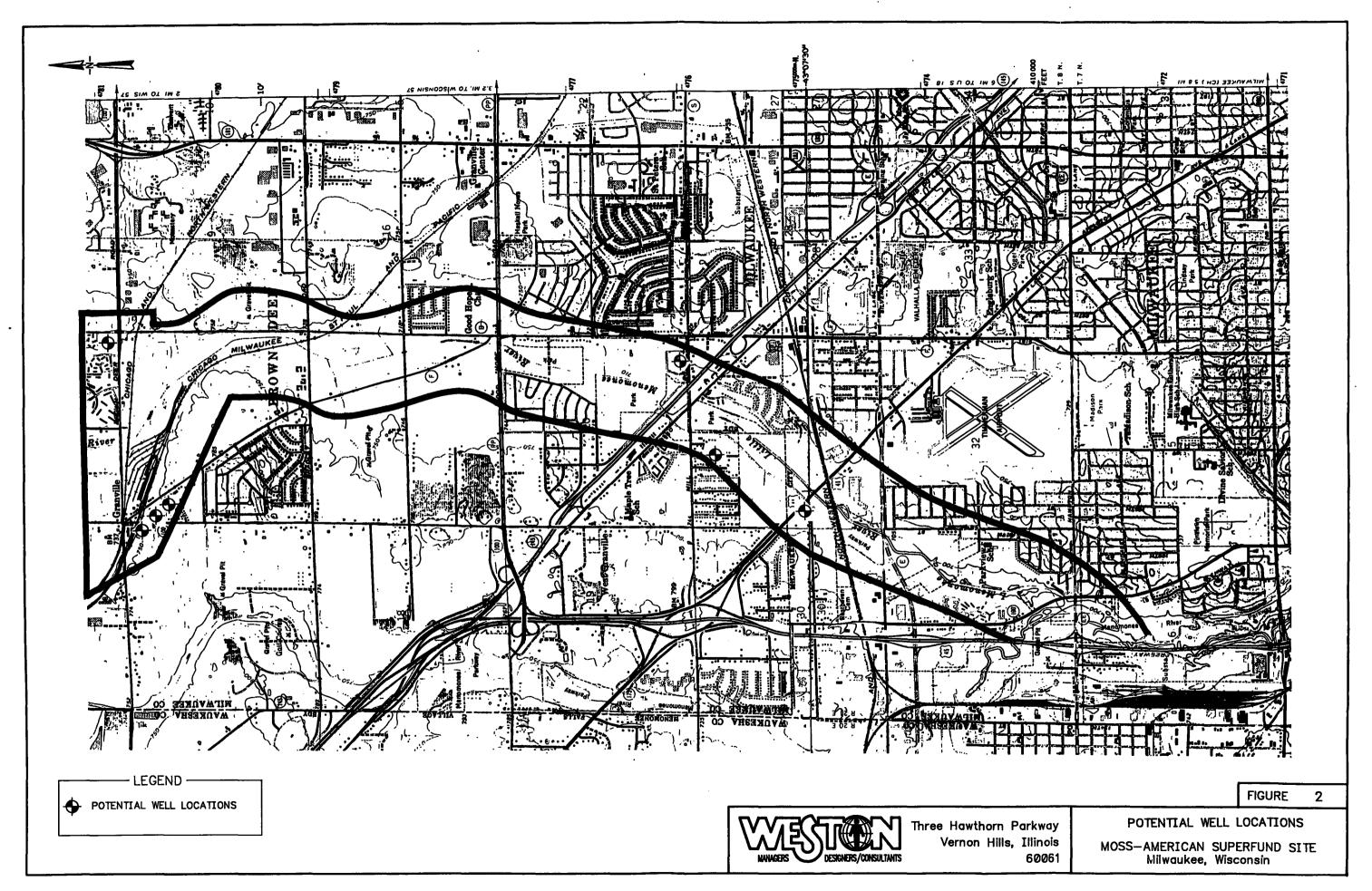
The Well Constructor's Reports obtained from the WGNHS suggest a dolomite aquifer system is being utilized by any active water supply wells in the area. The dolomite is generally overlain by approximately 80 to 120 feet of glacial till. Figure 3 is a generalized cross-section for the Moss-American site. All wells are finished in the bedrock between approximately 90 and 150 feet below ground surface.

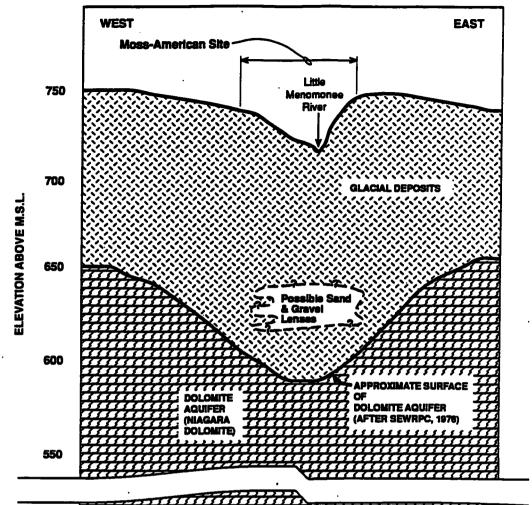
Information concerning pumping rates was not available, but according to a local well drilling firm, typical yields from the dolomite aquifer for the average household are on the order of 10 to 15 gallons per minute.

Table 1

List of Potential Water Supply Wells
Within the Study Area

Well Number	Address	Depth of Well	Year of Construction
1	9201 W. Brown Deer Road	146	1952
2	8741 N. Granville Road	99	1947
3	8431 N. Granville Road	163	1953
4	8429 N. Granville Road	.103	1956
5	6270 N. 102nd Street	100	1954
6	9229 W. Mill Road	108	1957
7	10515 W. Appleton Avenue	76	1952





MAQUOKETA
SHALE

[(Up to 200' Thick)]

SANDSTONE
AQUIFER
((CAMBRIAN & ORDIVICIAN
SANDSTONES,
LIMESTONES AND
SOME THIN SHALES)

(500 To 1000')

SOURCE: CH2M HILL RI REPORT

FIGURE

MANAGERS DESIGNERS/CONSULTANTS

Three Hawthorn Parkway Vernon Hills, Illinois 60061 REGIONAL GEOLOGIC CROSS-SECTION

MOSS-AMERICAN SUPERFUND SITE

Milwaukee, Wisconsin

# APPENDIX A INFORMATION FROM U.S. EPA



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## **REGION 5** 230 SOUTH DEARBORN STREET CHICAGO, IL 60604

REPLY TO THE ATTENTION OF:

5 HS-11

October 10, 1991

Mr. Bill Nieman Roy F. Weston, Inc. Three Hawthorn Parkway, Suite 400 Vernon Hills, Illinois 60061

Dear Mr. Nieman:

Earlier this week you requested a FIT report on the Moss-American Site. It appears that FIT reports were not being done early on in the program (1982-1983). I am sending you what I could find in the file that may be of help. Give me a call if you have any questions.

Sincerely,

Betty G. Lavis Project Manager (312) 886-4784

Enclosure

IRIECIEIIVIEID OCT 1 5 1991 ROY F. WESTON VERNON HILLS, IL

#### PHONE CONVERSATION

DATE 5/1/83	TDD # <u>8304-9</u>
TIME (3:40 P.M)	
SITE Moss american - (	Ten - me Lee oil c.)
CONTACT Ken Weiner	~
	•

SUBJECT Talketwith Mr. Weiner to confirm the conversation and information given to Lathy Setty cocerning the Moss-Cenerican site. Mrs. Getty had talked to Dr. Weiser on 4/6/83. mr. Weisner reiterated to me what he told Kothy on 4/6/83 on population served by groundwater wells withen a 3- mile radius of the site. He said there is a 150 louses with prevate well, I community well servery ~ 25 to 50 fourly, and one municipal willfor Manomores Falls (pop 28,000). He also said there are no wells within a one mile radius of the rete. He basically agreed with what Bob Baumerter of the Public Nater trapply hast told mrs. Getty concerning population and weller weed. In conclusion we have not been able to find any riason to change the HRS scare to any significant extent of there are other factors

ten K



# U ted States Department c he Interior

GEOLOGICAL SURVEY Water Resources Division 1815 University Avenue Madison, Wisconsin 53706

December 14, 1977

William Miner
U.S. Environmental Protection Agency
Enforcement Division
230 South Dearborn
Chicago, Illinois 60604

Dear Mr. Miner:

Here is the information you requested. Let me caution you on the use of these water levels to indicate the water table. The depth to which the well was drilled and the pressure on the aquifer which it taps will affect the water level. There are seasonal variations of the order indicated by ML-0231. Further work in defining a water table would require funding.

Also, we cannot be sure the area in question is a recharge or a discharge area. This decision would require a rather detailed study with current data. I hope the information I have provided will be of help to you.

Sincerely yours,

Lee C. Trotta

Hydrologic Technician

LCT/bag

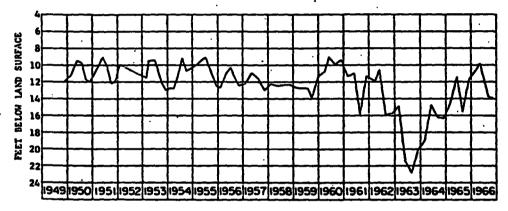
Enclosure



WELL WO.	WATER LEVEL			WATER LEVEL IN FEET BELOW L.S.D.	
	MONITORED	DATE	MELL NO.	75.	DATE
ML=0183	20.13	03/30/1943		68.77.	12/29/19
ML-0536	60.	07/03/1974	ML-0427	30.	00/00/19
ML-0521	15.	10/20/197/	ML- 0337	Flowing	00/00/19.
ML-0527	~ 30	12/20/1972	- 11-2	0.	08/01/19.
	38,98	08/01/1974	MI = 0381	40:	00/00/195
ML-6262	21.68	06/22/1950		12.	00/00/19
	27.3	06/07/1974		20	08/01/19
ML-0338-	90.	00/00/1955	ML-0154	35.	01/00/19
ML-0420	75.	00/00/1956	ML-0220	70.	07/11/19
	3.9.35	12/05/1961	ML-0259	88.52	06/21/19
NL-0139	none				
ML-0265	47.21	06/22/1950			
ML-0519	84.	02/14/1970			
Ü	74.52	07/30/1974			
ML-0520	50.	09/30/1971			
	30.29	08/01/1974			
ML-0411	60.	00/00/1956			
ML-0430	54.31	09/04/1968			
ML=0535	38.46	04/09/1974			
	39.9	07/03/1974		7-	
ML-0003	-40.	00/00/1910			
ML-0004	44,95	05/21/1946			
ML-0005	40.	00/00/1913			
ML-0006	40.	00/00/1920	`		
ML-0143 ML-01862	4/	08/00/1957			
ML-0260	44.64	06/21/1950			
711 0200	TT/OT	100/21/11/30			

# WATER LEVELS FOR ML-0231

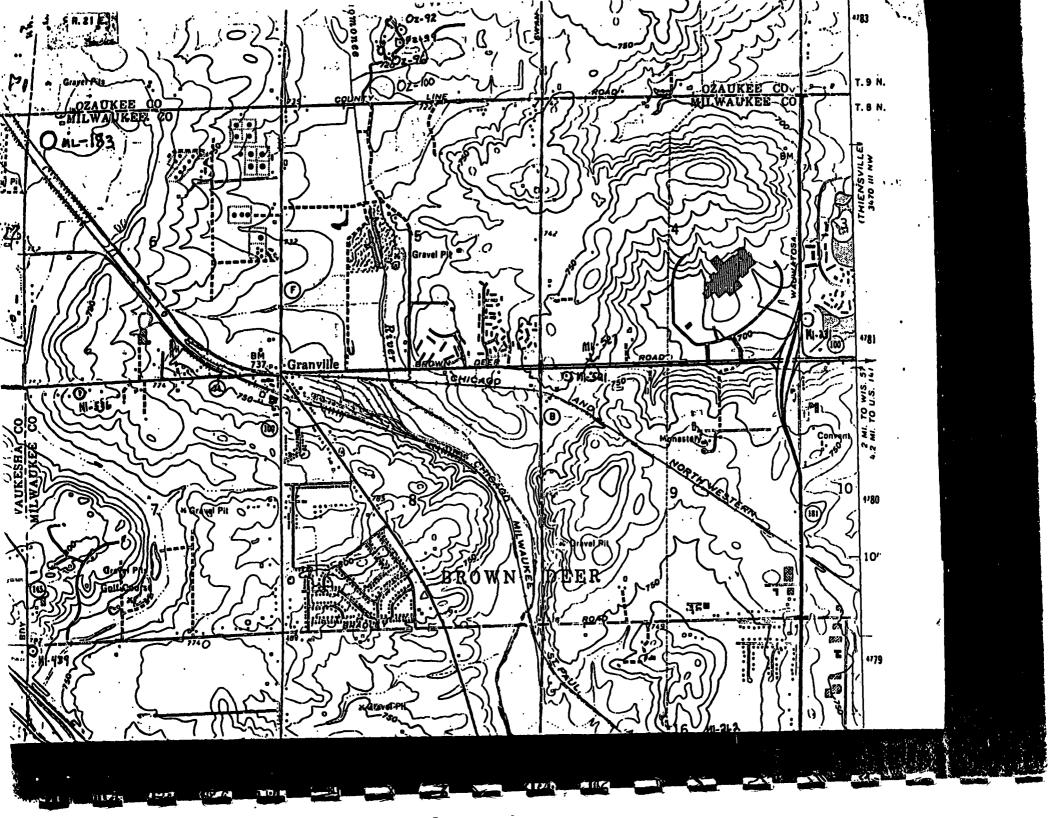
A MONITORED WELL



MILWAUKEE CO., Well-231

M1-8/21/3-231

R. J. Cerletty. SW\SW\z sec. 3, T. 8 N., R. 21 E. Drilled domestic artesian well in Niagara Dolomite, diam 6 in, depth 80 ft, cased to 58. Led 695 ft above msl. MP top of casing, 2.50 ft above lsd. Measured monthly. All plotted.



# APPENDIX B LIST OF WELLS IN MILWAUKEE

# WELLS -- CITY/OF MILWAUKEE -- 1976 - 1978

		Business or
Address	Year (s)	Residential
1004 West Armour Avenue	1976	Residential
9121 West Beloit Road	1977	Residential
10420 West Birch Avenue	1977	Residential
12109 West Bobolink	1978	Residential
8455 West Bradley Road	1977	Residential
8465 West Bradley Road	1977	Residential
8475 West Bradley Road	. 1977	Residential
11625 West Bradley Road	1976	Residential
627A West Center Street	1976	Residential
350 East College Avenue	1976, 1977, 1978	Business
9231 West County Line Road	1976	Residential
11505 West County Line Road	1978	Residential
6959 West Fond du Lac Avenue	1978	Residential
6321 West Good Hope Road	1976	Business
12111 West Good Hope Road	1977	Residential
12126 West Good Hope Road	1978	Residential
2113 North Humboldt	1977	Business
3221 South Lake Drive	1977	Business
6003 West Leon Terrace	1976	Residential
4528 West Midland Drive	1977	Residential
11812 West Mill Road	1976	Residential
7003 West Morgan Avenue	1976	Residential
9141 West Öklahoma Street	1976, 1977	Business
3350 West Poe	1976	Residential
749 West State Street	1977	Business
9601 North Wasaukee Road	1976	Residential

Address	Year(s)	Business or Residential
	Teaz (3)	
3803 South Whitnall	1978	Residential
3533 North 27th Street	1976	Business
3774 South 27th Street	1976, 1977	Residential
5956-59-60 North 40th Street	1976	Residential
620 South 44th Street	1976	Business
8423 South 51st Street	1977	Residential
3288 North 52nd Street	1978	Residential
4829 North 53rd Street	1976	Residential
4657 North 56th Street	1977	Residential
4938 North 56th Street	1976	Residential
6427 North 57th Street	1977, 1978	Residential
4930 North 58th Street	1977	Residential
4333 North 62nd Street	1977	Residential
4316 North 63rd Street	1976	Residential
4371 North 64th Street	1977	Residential
4308 North 65th Street	1976	Residential
4849 North 66th Street	1976	Residential
5264 North 68th Street	1976, 1977, 1978	Residential
8635 North 68th Street	1976, 1977	Residential
412 South 73rd Street	1976, 1977	Residential
6122 North 76th Street	1976	Business
8660 North 76th Street	1976, 1977, 1978	Business
8679 North 76th Street	1976, 1977, 1978	Business
6540 North 81st Street	1976	Residential
5031 North 83rd Street	1977	Residential
624 South 84th Street	1978	Business
3619 South 84th Street	1978	Residential
5749 North 84th Street	1976	Residential

Address	Year(s)	Business or Residential
		Residential
3556 South 85th Street	1978	Residential .
9459 North 91st Street	1978	Residential
3741 South 92nd Street	1977	Residential
5900 North 94th Street	1976	Business
5507 North 106th Street	1977	Residential
6181 North 107th Street	1976	Residential
6475 North 107th Street	1976	Residential
6616 North 107th Street	1976	Residential
7008 North 107th Street	1978	Residential
7057 North 107th Street	1976	Residential
7077 North 107th Street	1978	Residential
7482 North 107th Street	1977	Residential
7738 North 107th Street	1976	Residential
6840 North 114th Street	1978	Residential
6767 North 115th Street	1978	Residential
7007 North 115th Street	1976	Business
5845 North 119th Street	1978	Residential
5254 North 124th Street	1976	Business
9182 North 124th Street	1978	Residential

# WELLS -- CITY OF MILWAUKEE -- 1971 - 1975

Address	Year(s)	Business or Residential
5727 South 6th Street	1974, 1975	Residential
6045 South 6th Street	1972, 1975	Residential
2361 South 10th Street	1973	Residential
450 South 11th Street	1975	Business
2675A South 19th Street	1973	Residential
6061 South 20th Street	1975	Residential
4822 South 23rd Street	1975	Residential
3774 South 27th Street	1975	Residential
1506 North 34th Street	1973	Residential
2320A North 35th Street	1971	Residential
6075 North 38th Street	1975	Residential
7495 North 38th Street	1971	Residential
2313 North 39th Street	1975	Residential
2872 North 41st Street	1975	Residential
4113 North 41st Street	1973	Residential
4067 North 51st Blvd.	1974, 1973	Residential
4309 North 51st Blvd.	1973	Residential
4379 North 51st Blvd.	1974	Residential
2360 North 52nd Street	1971	Residential
4829 North 53rd Street	1973	Residential
5563 North 54th Street	1975	Residential
3270 South 55th Street	1975	Residential
5114 North 57th Street	1975	Residential
6427 North 57th Street	1973, 1974, 1975	Residential
6666 North 58th Street	1971, 1973	Residential

Address	Year(s)	Business or Residential
4374 North 62nd Street	1975	Residential
5132 North 63rd Street	1971, 1972	Residential
4346 North 64th Street	1973	Residential
4453 North 64th Street	1975	Residential
3847 North 66th Street	1973	Residential
4833 North 66th Street	1971	Residential
4849 North 66th Street	1973	Residential
645 South 68th Street	1973	Residential
3942 South 68th Street	1974, 1975	Residential
5264 North 68th Street	1973	Residential
5119 North 68th Street	1972	Residential
5264 North 68th Street	1971-1975	Residential
8429 North 68th Street	1973	Residential
2517 South 69th Street	1973	Residential
2562 South 69th Street	1975	Residential
2936 South 70th Street	1972	Residential
6005 North 76th Street	1973	Residential
6972 North 76th Street	1974	Residential
7377 North 76th Street	1975 <sup>-</sup>	Business
8560 North 76th Street	/ 1971	Residential
8660 North 76th Street	1971-1975	Business
8679 North 76th Street	1971-1975	Business
7865 North 80th Street	19.75	Residential
3941 North 81st Street	1971	Residential
3811 North 83rd Street	1971, 1973, 1975	Residential
5025 North 83rd Street	1971	Residential
5031 North 83rd Street	1972, 1973, 1975	Residential

	Address	Year(s)	Business or Residential
	5070 North 85th Street	1973	Residential
•	5681 North 86th Street	1975	Residential
	3616 South 89th Street	1971	Residential
	8354 North 91st Street	1973	Residential
	9555 North 91st Street	1974	Residential
•	3785 South 92nd Street	1972	Residental
	.6839 North 99th Street	1975	Residential
	6270 North 102nd Street	/ 1974	Residential
	6475 North 107th Street	1975	Residential
	6700 North 107th Street	1971, 1974	Residential
	6755 North 107th Street	1971	Residential
	7261 North 107th Street	1971	Residential
	7720 North 107th Street	1974	Residential
	8039 North 107th Street	1971	Residential
	8406 North 107th Street	1974	Residential
•	8661 North 107th Street	1971	Residential
	6134 North 112th Street	1971	Residential
	6012 North 114th Street	1972	Residnetial
	6768 North 114th Street	1974	Residential
	6800 North 114th Street	1975	Residential
· 	6824 North 114th Street	1973	Residential
	6840 North 114th Street	1973	Residential
	6160 North 115th Street	1975	Residential
	6201 North 115th Street	1975	Residential
•	7007 North 115th Street	1971	Residential
,	6339 North 116th Street	1971	Residential
	4871 North 119th Street	1971	Residential
			•
		· - 3 -	

Address	Year(s)	Business o Residentia
5030 North 124th Street	1973	Business
5050 North 124th Street	1975	Business
5118 North 124th Street	1974	Business
5214 North 124th Street	1972	Residentia
6914 North 124th Street	1971	Residentia
7010 North 124th Street	1972	Residential
7040 North 124th Street	1971	Residentia
7070 North 124th Street	1971, 1972	Residentia
7132 North 124th Street	1971	Residential
7150 North 124th Street	1971	Residential
		·
NAME ADDRESSES		
"10025 West Appleton Avenue	1973	Residential
10927 West Appleton Avenue	1975	Residential
11017 West Appleton Avenue	1971	Residential
11864 West Appleton Avenue	1971	Residential
10005 West Beechwood Avenue	1971	Residential
9121 /West Beloit Road	1971, 1972	Residential
9121B West Beloit Road	1975	Residential
9121C West Beloit Road	1975	Residential
10535 West Bender Road	1972	Residential
10420 West Birch Street	1975	Residential
12015 West Bobolink Avenue	1971	Residential
6804 West Bradley Road	1974	Residentia
7720 West Bradley Road	1973	Residentia
7912 West Bradley Road	1973	Residentia
10001 West Bradley Road	1971	Residentia

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_	Address	Year(s)	Business or Residential
	11088 West Bradley Road	1971, 1975	Residential
. 8	841 North Broadway	1974	Business
8	841 North Broadway, Rm. 105	1975	Residential
·	9001 West Brown Deer Road	1973	Business
ç	9101 West Brown Deer Road	1975	Business
1	11525 West Brown Deer Road	1974	Residential
. 1	11606 West Brown Deer Road	1974	Residential
1	10940 West Calumet Road	1975	Residential
	240 East College Avenue	1972	Residential
3	325 East College Avenue	1972	Residential
3	350 East College Avenue	1973, 1974, 1975	Business
1	10603 West County Line Road	1973	Residential
!	5130 West Courtland Avenue	1971	Residential
	4805 West Custer Avenue	1973	Residential
;	2499 South Delaware Avenue	1975	Residential
·	2972 North Farwell Avenue	1973	Business
8	8734A West Fond du Lac Avenue	1973	Residential
ç	9500 West Fond du Lac Avenue	1971	Residential
:	10301 West Fond du Lac Aveneu	1975	Residential
:	10955 West Fond du Lac Avenue	1974	Residential
:	5235 West Good Hope Road	1975	Residential
:	12111 West Good Hope Road	1971	Residential
:	12211 West Good Hope Road	1971	Residential
:	8758 North Granville Road	1971	Residential
	4222 South Howell Avenue	1972	Residential
	4229 West lloward Avenue	1972	Residential
1	8100 West Howard Avenue	1971	Residential

٠.	Address	Year(s)	Business or Residential
	3375 South Illinois Avenue	1974	Residential
	1206 West Layton Avenue	1972	Residential
··	1233 West Layton Avenue	1973	Residential
	10106 West Leon Terrace	1973	Residential
	7823 West Lolita Avenue	1973	Residential
	1712 West Mallory Avenue	1974	Residential
	6730 West Mill Road	1973	Residential
	8426 West Mill Road	1973	Residential
	9322 West Mill Road	1974	Residential
	10800 West Mill Road	1972	Residential
	11202 West Mill Road	1972, 1974, 1975	Residential
	7737 West Morgan Avenue	1974	Residential
	9141 West Oklahoma Avenue	1971-1975	Business
	3350 West Poe Street	1971, 1973	Residential
	3942 South Quincy Avenue	1975	Residential
	4430 South Quincy Avenue	1971	Residential
	7855 North Range Line Road	1973	Residential
	2620 West Rogers	1972	Business
	6976 North Scranton Court	1971	Residential
	6979 North Scranton Court	1974	Residential
	4041 North Sherman Blvd.	1975	Residential
	2036 West Silver Spring Drive	1971	Residential
	3904 West Silver Spring Drive	1975	Residential
	11800 West Silver Spring Drive	1972	Residential
	6816 North Tacoma	1975	Residential
	9138 West Thurston Avenue	1975	Residential
	8600 West Tupelo Avenue	1972	Residential

Address	Year(s)	Business or Residential
10000 West Vera Street	1975	Residential
7803 West Villard Avenue	1975	Residential
8203 West Villard Avenue	1974	Residential
9601 Wasaukee Road .	1975	Residential
W124 N9160 Wasaukee Road	1974	Residential
4105 South Whitnall Avenue	1975	Residential
150 West Wilbur Avenue	1973	Residential

# INDUSTRIAL WELLS

Sample date

Address	Year(s)	Name of Company
1936 South Allis Street	1949	Ready-Crete Co.
7458 West Appleton Avenue	1956	Blue & White Motel
7467 West Appleton Avenue	1956	Plater's A & W Drive-In
7520 West Appleton Avenue	1956	Seitz's Drive-In
7551 West Appleton Avenue	1956	The Old School House Tavern
7681 West Appleton Avenue	1956	Kunz Farms Country Store
7730 West Appleton Avenue	1956	Milwaukee Motel
7920 West Appleton Avenue	1956	George's Wayside Club
7964 West Appleton Avenue	1956	Shady Tree Tap
8124 West Appleton Avenue	1956	Ernst Locker Plant
8263 West Appleton Avenue	1956	Tumble Weed Tap
8339 West Appleton Avenue	1956	Sketch Bar
8573 West Appleton Avenue	1956	Klieforth's Tavern
8837 West Appleton Avenue	1956	Lutz Grocery
9305 West Appleton Avenue	1956	Skelly's Sky Room
9316 West Appleton Avenue	1956	Turck's Food Market
9404 West Appleton Avenue	1956	Hild's Landing
9717 West Appleton Avenue	1956	Port Motel
9823 West Appleton Avenue	1956	Hedl's Recreation
10201 West Appleton Avenue	1956	Lynx Motel
10433 West Appleton Avenue	1956	Blue Spruce Bar
10515 West Appleton Avenue	1956	Sun Down Motel
10529 West Appleton Avenue	1956	Hillside Grocery
2100 South Bay Street	1948	Wrought Washer Company
147 East Becher Street	1948	The Filer & Stowell Company

Address	Year(s)	Name of Company
3726 North Booth Street	1949	Milwaukee Gas Specialty Company
1120 North Broadway	1949	Blatz Brewing Company
7506 West Brown Deer Road	1956	Dew Drop Inn
7507 West Brown Deer Road	1956	Piehl's Grocery
4632 West Burleigh Street	1949	Sherman Theatre Building
6400 West Burleigh Street	19 49	Wanderer's Rest Cemetery
6921 West Burleigh Street	1949	H. Schwebke and Son
3235 West Burnham Street	1949	W. J. McMullen, Inc.
3839 West Burnham Street (Three Wells)	1948	Globe Steel Tubes Company
4200 West Burnham Street (new)	1948	Charles A. Krause Milling Company
4200 West Burnham Street (old)	1948	Charles A. Krause Milling Company
1901 West Canal Street Abandoned	1949	Donner Packing Company Peck rund Pe
3001 West Canal Street	1949	Falk Corporation
505 East Capitol Drive	1952	Luick Ice Cream Company .
2817 West Carmen Avenue	1952	Copy Plus, Inc.
6577 North Cedarburg Road	1956	Golden Dip Custard Stand & Restaurant
5000 West Chambers Street	1949	St. Joseph's Hospital
3073 South Chase Street	1948	Nordberg Mfg. Company
3571 South Chase Street	1948	Rossman Florists
1776 North Commerce Street	1949	Albert Trostel and Sons Company
2499 South Delaware Avenue	1949	Bay View Sheet Metal Works
2013 East Fernwood Avenue	1949	Milwaukee Face Brick Company
344 East Florida Street	/1948	Wisconsin Cold Storage Company
6222 West Fond du Lac Avenue	1956	Mille's Michaelangelo Italian Restaurant
6246 West Fond du Lac Avenue	1956	The Scoop

Address	Year(s)	Name of Company
449 West Fond du Lac Avenue	1956	Sherman Gardens Hotel & Bar
535 West Fond du Lac Avenue	1956	Wisconsin Dairy Products Company
620-26 West Fond du Lac Avenue	1956	Pearson Drug - Runte Bakery
652 West Fond du Lac Avenue	1956	Hass Bar & Restaurant
854 West Fond du Lac Avenue	1956	Webb's A & W
368 West Fond du Lac Avenue	1956	The Escape
601 West Fond du Lac Avenue	1956	Gilbert's Five Mile House
216 West Fond du Lac Avenue	1956	Steininger's Fonda Spring Tavern
041 West Fond du Lac Avenue	1956	Three "E" Tap
060 West Fond du Lac Avenue	1956	Cascade Tavern
101 West Fond du Lac Avenue	<i>/</i> 1956	Fonda Grocery
0142 West Fond du Lac Avenue	1956	Eddie's Beer Depot
1150 West Fond du Lac Avenue	1956	Martin's Drive Inn
405 West Forest Home Avenue Four Wells)	1948	Forest Home Cemetery
305 West Forest Home Avenue	1948	Universal-Rundle Corporation
888 North Fratney	1953	Norco Plastics, Inc.
35 West Galena Street Four Wells)	1949	Joseph Schlitz Brewing Company
415 West Garfield Avenue	1949	Peerless Products Company
608 West Good Hope Road	1956	Good Hope Food
056 West Good Hope Road	1956	19th Hole Tavern
717 West Good Hope Road	1956	Granville Town Hall
741 North Granville Road	1956	Stein's Tavern
762 North Granville Road	1956	Breitzel's Tap
430 North Green Bay Avenue	1949	Lorence Mfg. Company

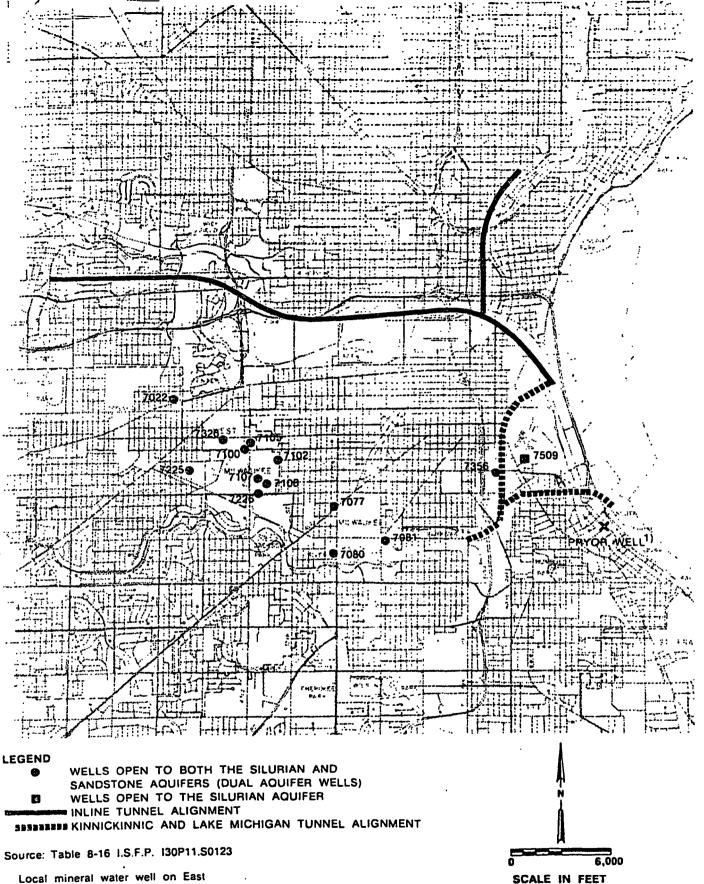
Address	Year(s)	Name of Company
- 4902 North Green Bay Avenue	1949	Johannes Greenhouses
311 East Greenfield Avenue	1948	Milwaukee Solvay Coke Company
5321 West Green Tree Road	1956	Romitti's Tavern
-2615 West Greves Street? out of	1949	National Cylinder Gas Company
1755-1801 West Hampton Avenue	1949	Siegman's Greenhouses
6816 West Hampton Avenue	1956	Fonda Pharmacy
7429 West Hampton Avenue	1956	Simon's Bungalow Tavern
7504 West Hampton Avenue	1956	Kraus Red Bell Market
7601 West Hampton Avenue	1956	Tony's Beer Depot
2512 East Hartford Avenue	1949	Milwaukee Downer College
1950 South Hilbert Street (Bldg. #10)	1949	P & V Atlas Industrial Center
4098 North Holton Street	1949	Concrete Specialty Company
3003 West Hopkins Street	1949	Werner G. Smith Div.,-Archer-Daniels- Midland Company
614 East Howard	1948	Woodlawn Cemetery
2113 North Humboldt Avenue	1949	Weisel and Company
917 West Juneau Avenue (Three Abandoned Wells)	1949	Pabst Brewing Co.
326 East Keefe Avenue	1948	Cleaver Brooks Company
2800 North Lake Drive		Milwaukee County Park Bd. (Lake Pk.)
? 3460 West Leeds po listing -	1949	Pate Oil Company
2900 North Menominee River Drive	1949	Mount Mary College
714 West Michigan Street	1949 .	Line Material Company
4809 West Mill Road	1956	Twin-Mill Inn
5132 West Mill Road	1956	Jake's Mill Road Service
1000 West Mitchell Street	1948	F. W. Woolworth Company

	_	· 5 -
Address	Year(s)	Name of Company
121 South Muskego Avenue	1949	Armour and Company
230 South Muskego Avenue (new)	1949	Plankinton Packing Company
230 South Muskego Avenue (old)	1949	Plankinton Packing Company
308 West North Avenue	1949	Third & North Building (Rosenbergs)
1609 East North Avenue	1949	Dairy Lane Dairy, Inc.
5600 West North Avenue	1949	Gross Heating, Inc.
445 West Oklahoma Avenue	1948	Heil Corporation
1532 East Oklahoma Avenue	1948	Milwaukee Forge & Machine Company
2005 West Oklahoma Avenue	1948	L. J. Mueller Furnace Company
(Two Wells)	1740	
⊁235 East Pittsburg	1948	Trons pak Pittsburg Plate Glass Company aboute
Plankinton & State	1949	None
Silver Spring & North Sherman		McGovern Park
7400 West Silver Spring	1956	7400 Tap
7432 West Silver Spring	1956	Miller's Delicatessen
7510 West Silver Spring	1956 /	Steiner's Super Market
9028 West Silver Spring	1956	Silver Swan Skating Rink
9910 West Silver Spring	1956	Silver Spur Drive-In
333-West State Street	1949	The Journal Company
4002 West State Street (Two Wells)	1949	Miller Brewing Company
(Two Wells) Susiness	1949	A. Gettelman Brewing Company
5042 West State Street Ont of business?	1949	Clover Lane Dairy Co-op.
7586 North Teutonia Avenue	1956	Em's Pine Manor
1514 East Thomas Street	1949	Hummel & Downing Company
513 West Traser Street	1949	Marlan Investment Company
		·
·		

Address	Year(s)	Name of Company
3610 West Villard Avenue	1949	Ritz Theatre
7420 West Villard Avenue	1956	Papenthein's Delicatessen
313 South Water Street (Two Wells)	1948	Zinn Malting Company
1531 North Water Street	1949	P & V Tannery
1818 North Water Street	1949	A. F. Gallun and Sons Corporation
135 West Wells Street	1949	Brumder Building
161 West Wisconsin Avenue	1948	Plankinton Arcade (Plankinton Bldg. Co.)
301 West Wisconsin Avenue	1948	F. W. Woolworth Company
→331 West Wisconsin Avenue	1948	Boston Store
811 East Wisconsin Avenue	1949	Eugene's Juneau Hotel Company
910 East Wisconsin Avenue	1949	Elks Club
915 West Wisconsin Avenue	1949	YMCA Downtown Extension
1324 West Wisconsin Avenue	1948	Varsity Theatre Building (Varsity Bldg. Company)
2401 West Wisconsin Avenue Ten	1949 Litine 1949	Eagles Clubhouse Coching make he
$\chi$ 2601 West Wisconsin Avenue Approx	wently 1949 andoned	Veterans Administration 2611 W. CO 1500 Marquetic Governor Wills Williams T 341-7000 Ted-600
1320 South 1st Street	1948	Grede Foundries IncSmith Steel Div.
1748 North 1st Street		Marylin Shoe Company
1952 South 1st Street	1949	Max Resnick
617 North 2nd Street		A. J. Farnham Company, Inc.
605 North 3rd Street		Medford Hotel
1830 South 3rd Street	1948	Wisconsin Leather Company
3832 North 3rd Street	1949	Downing Box Company
1306 North 4th Street		Borden Cold Storage & Ice Cream

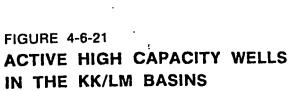
Address	Year(s)	Name of Company
2822 North 5th Street	1949	Nunn-Bush Shoe Company
1015 North 6th Street	1949	Milwaukee Vocational School
620 North 8th Street	1948	Borden Company-Gridley Division
409 South 9th Street	1949	Schneider Fuel & Supply Company
2934 South 9th Street	1948	Blochowiak Dairy
X 470 South 11th Street Mupicipal	1949	Huren Portland Cement Company
? 471 South 11th Street No Listing	1949	Manitowoc Portland Cement Company
?260 North 12th Street wo Lighting	1949	Center Street Fuel Company
? 270 North 12th Street No Listing	19 49	National Enamel and Stamping Co.
X315 North 12th Street reportedly abandoned	1949	-Cutler-Hammer Inc. Allied Insultation
2042 North 12th Street	1949	Schwaben Hof
2701 South 13th Street	1948	Independent Milwaukee Brewery
3700 South 13th Street	1948	St. Adalberts Cemetery
2754 South 19th Street		Superior Steel Products Company
2850 South 20th Street (Two Wells)	1948	Crucible Steel Casting Corporation
3019 South 20th Street	1948	Cutler-Hammer Inc. Foundry Division
X 123 North 27th Street No well,	1949	Thiele Tanning Company
325 North 27th Street (Three Wells)	19 49	Red Star Yeast & Products Company
757 North 27th Street	1949	Tower Theatre Building
7 838 North 27th Street	1949 /	Benzinger Building (Central Lanes)
1545 South 27th Street	/1948	Sacred Heart Sanitarium (St. Joseph's Convent)
2856 South-27th Street	1948	Maynard Electric Steel Company
3324 South 27th Street	1949 .	Palomar Rink
3533 North 27th Street (Two Wells)	1949	A. O. Smith Corporation

	Address	Year(s)	Name of Company
7	639 South 29th Street	1949	The Riebs Company = 6,0010 60.
	2206 North 30th Street	1949	Golden Guernsey Dairy Co-op.
	2328 North 31st Street	1949	S. K. Williams Company
	4763 North 32nd Street (Two Wells)	1949	Greenebaum Tanning Company-Plant #2
	1745 South 38th Street	1949	Ampco Metal, Inc.
	7130 North 43rd Street	1956	Hogerts Grocery
	7141 North 43rd Street	1956	Kehls Grocery
	657 South 72nd Street	<b>1949</b>	Motor Casting Company
	4220 North 76th Street	1956	Dick's Beer & Liquor Mart
	4730 North 76th Street	1956	Hermes Tavern
<i>.</i> .	5250 North 76th Street	. 1956	Palmer's Frozen Custard
	5620 North 76th Street	1956	Crooked Lantern Tavern
	7177 North 76th Street	1956	Kuphal's Tavern
	7178 North 76th Street	1956	Emory's Food Market
	8660 North 107th Street	1956	Thielmann's Tap
	8687 North 107th Street	1956	O. R. Pieper Company
	8775 North 107th Street	1956	Crossroads Inn
	4940 North 115th Street	1956	Fireburger Food
	5911 North 115th Street	1956	100 Motel
	7171 North 115th Street	1956	Haberman's Tap
•	4250 North 124th Street		Trackson Company



Local mineral water well on East

Pryor Ave. west of South Superior Street.



CSO - AFP

C10A11.R0524



		Total				page <sup>2)</sup>	
15 # 1)	Operator	Depth	Aquii		-	Yearly	. Mater Hee
ID # 1)	Operator	(11)	Prime	Other	(MG)	(MG)	Water Use
7022	Allis-Chalmers <sup>3</sup> )	1 600	Candatana	Dolomito	0.27	88	Drinking water cooling
		1,690	Sandstone	Dolomite	0.37		Drinking water, cooling
7077	Forest Home Cemetary	1,852	Sandstone	Dolomite	_	3	Irrigation (May-October)
7080	Maynard Steel Casting Company	1,727	Sandstone	Dolomite	0.12	28	Cooling
7081	Crucible Steel Casting Company	Unknown	Sandstone	Dolomite	0.76	181	Cooling
7100	Krause Milling Company	1,800	Sandstone	Dolomite	0.16	. 37	Food process (washing corn)
7102	Babcock and Wilcox Company,				•		
	Tubular Products Division	1,780	Sandstone	Dolomite	0.83	199	Process
7105	Kurth Malting Corp <sup>3</sup> )	1,766	Sandstone	Dolomite	0.14	33	Food process (malting); cooling
7106	Froedtert Malt Corp	1,800	Sandstone	Dolomite	0.42	100	Food process (malting); cooling
7107	Froedlert Mall Corp	1,780	Sandstone	Dolomite	0.42	100	Food process (malting); cooling
7225	Wehr Steel Company - Division of Wehr Corp	1,701	Sandstone	Dolomite	0.32	77	Cooling; minor amount for process
7006						• •	·
7226	Froedtert Malt Corp	1,750	Sandstone	Dolomite	1.06	254	Food process (malting), cooling
7326	Kurth Malting Corp <sup>3</sup> )	1,755	Sandstone	Dolomite	0.16	38	Food process (malting); cooling
7356	Filer and Stowell Company	1,450	Sandstone	Dolomite	0.01	2	Cooling
<b>7509</b> .	Polycon Industries, Inc	300	Dolomite	None	0.17	40	Cooling .



TABLE 4-6-24
ACTIVE HIGH CAPACITY
WELLS IN THE KK/LM BASINS

<sup>1)</sup> ID numbers correspond to numbers in Figure 4-6-21.

<sup>2)</sup> Pumpages shown were obtained from monthly reports submitted to the DNR or through telephone interviews with the operators. Daily values shown assume 20 working days/month.

<sup>3)</sup> On or near basin boundary.

# APPENDIX C WELL CONSTRUCTOR'S REPORTS

		WELL (	CONSTI	RUCTOF		ORT TO V			BOARD C	OF HEALT	н 🏏
	•						(Town				J.
1	. Cou	VIN MAN	Milwani CA/		INIRZ	IE I	_{Village   City	🗀 Gran		d give name,	;d
2	سلمين)		0515 W	Apple	ton Ave	/ !a					
			N	ame of str	eet and nur	nber of premi	se or Section,	Town and Ra	nge numbers k		1052-1,
3	. Ow	ner 🔣 or	Agent [	<b></b>	mer alu	e of individua	,			ENGRON	
							•			- Senite	ATION.
4	. Mai	l Addres	s¥	2515_¥.	Applet	Complete ad	Alwankee	. <b>Nis.</b>			
5	Fro	m well to	naarast	·· Buildi	ng 16	ft · sower	ft · d	rain 50 :	ft : contic t	tank_65	e4.
. 0							•		ic, septic i		
	dry	well or f	ilter bed	1_65f	t; aband	oned well	ft				
6	. Wel	ll is inten	ided to s	supply w	ater for	Home	&_Mo	tel	· · ·		
7	. DR	ILLHOL	E:				10. <b>FO</b>	RMATION	S:		
Di	ia. (in.) '	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		Kind		From (it.)	To (it.)
							-	C1		0	30
									17 )	70	45
_	CA:	SING AT	VD LIN	ER PIP	E OR CI	URBING:	,	clay & g imagtone	<del>revol</del>		· :.
	ia. (in.)		nd and Weig		From (ft.)	To (ft.)		Tura Proxis		<u>- 45 </u>	76
-	5	Standr	ed Wei	hlat	0	45	∦ ——				<del>-</del>
	<del></del>				<del>-</del>	_ <del></del>		·	~~ · · · · · · · · · · · · · · · · · ·		
7		·.				·	<u> </u>	<del></del>			<del></del>
+		OT700 -				1	<b> </b>	•			-  <del></del>
9	. GK	OUT:	.a		From (ft.)	To (ft.)	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<del></del>	<del> </del>	<b>-</b>
_	·			<del></del>		<del></del> .	<u></u>	·: ·	<u> </u>		<u> </u>
		<u>cla</u>	<u> </u>	<del></del>		<b>2</b> 5	Constru	ection of th	e well was	completed	on:
			437707				Do:	25			
	11. N	IISCELL	ANEUU	JS DAT	A:						19_52
Yi	eld te	est: _10_		Hrs. at	<del>9</del>	GPM.		•	-		
De	epth f	rom surf	ace to v	vater-lev	el:	25 ft.	M abov	e, perow 🗂	tne perma	ment groun	d surrace
	-			•		ft.	Was th	e well disir	fected upo	n completio	n?
			<u> </u>		_				Yes_	<u>z</u> N	0
W	ater s	sample w	as sent 1	to the st	ate labor	atory at:	Was th	e well seale	• • • • • • •	ght upon co	• • •
	_Ken		C	on _26		_ 19_52_				<b>x</b> N	
		City	<u> </u>	•					T 69-	* N	<u> </u>
g:	matir	re _A.G	Enny			_	1094	e W. Am'	laton Ave	. Milwank	Ma 1172 -
נוני	5 Havu	R	egistered	Well Dri	ller	ase do not wi		Con	plete Mail	Address	*****
-			- 4						101	10 m) 10 -	101
		10.			No:	7619		. 10 ml	10 ml 1	10 ml 10 n	
An	ıs'd	10	20.	سمرا ؟			Gas-24 1	hrs	<u> </u>	<u> </u>	<u> </u>
Įni	ernret	ation					48 1	hrs		<u> </u>	<u>ව ල</u>
-441	2	<b></b>	برور مارور مار مارور مارور م	مرسة كالتركيم ليود	e			• • • • • • • • • • • • • • • • • • • •			
				<u> </u>	·		Conf		·	· · ·	
				<u>//</u>			B. Coli	* : *	<u></u> -		<del>}</del>
									Examine	$r(X \subset C)$	

1. County In Ilwantel	Town & A CO	
1. County MILLIAMENT OF STENKELLE A	Village	rive manne
2. Location 8437 Will Trans	e or Section, Town and Range numbers	SED FILM
	or section, fown and range numbers	ENVIRON 1453
•	partnership or firm	TANEN.
4. Mail Address 8431 www. Suan Complete add	will Road Meliciness required	ranfer 101, Al
5. From well to nearest: Building/_ft; sewer_3		ık <u>√</u> 0 ft;
dry well or filter bed_d_2_ft; abandoned well_7		
6. Well is intended to supply water for:	Residence	
7. DRILLHOLE:	10. FORMATIONS:	'I Thomas I Ma
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)	Kind	From To (ft.)
10 0 25	stoney clay	0 25
6 25 /13	Blue clay	25 15
8. CASING AND LINER PIPE OR CURBING:	sandy clay	15 100
Dis. (in.) Kind and Weight From (it.) To (it.)	Laidle on	100 140
b standard weight 0 159	Granel	140 157
stul fife	tol rock	154 159
	line wich	159 113
9. GROUT:		
Kind From (ft.) To (ft.)		· ·
Puddlet clay 6 25		<del> </del>
	Construction of the well was co	mpleted on:
11. MISCELLANEOUS DATA:	aug 18	19 <i>5-9</i>
Yield test: flowing welf 15 - GPM.	The well is terminated	d inches
Yield test: 2 Hrs. at The top	above, below the permane	ent ground surface.
Depth from surface to water-level: ft.	· · · · · · ·	• • • • • •
Water-level when pumping: ft.	Was the well disinfected upon	
Water sample was sent to the state laboratory at:	Yes	No
7	Was the well sealed watertight	t upon completion?
madesan on Comp 20 1953	Yes	No
b · 0 / / /		6 16. 6
Signature Registered Well Driller	1983 N Gum Boy Gry Complete Mail Add	my througher 9
Please do not wri		
Rec'd No	10 ml 10 ml 10 r	ml 10 ml 10 ml
Ans'd	Gas—24 hrs	
Interpretation	48 hrs	
,,	Confirm	
	B. Coli	
	Examiner	

1. County Milweukee	(Town ☐ Milwaukee ☐ Milwaukee	
2. Location 9229 W. Mill Rd NENENE	Sec 29 T. R. R. 216	
Name of street and number of premis	e or Section, Town and Range numbers	
3. Owner or Agent Richard T. Bloss		
4. Mail Address 9229 W. Mill Rd Milws	partnership or firm	
Complete add	iress required unknown	<u>-</u>
5. From well to nearest: Building_4ft; sewer_	ft; drainft; septic tankf	t;
dry well or filter bedft; abandoned well_	<b>ft</b> .	- 15 yes .
6. Well is intended to supply water for:	sil edine külükrisik	
7. DRILLHOLE:	10. FORMATIONS:	
Dia. (in.) From (it.) To (it.) Dia. (in.) From (it.)To (it.)	Kind (it.)	To (ft.)
5 0 108	old well.	70
Total	RANGER OF THE REAL PROPERTY.	
8. CASING AND LINER PIPE OR CURBING:	cleaned out to	96
Dia. (in.) Kind and Weight From (ft.) To (ft.)	limestone 12	108
5 7 blk.std unkno with the state of the stat	The Landaudia of the Auditory, production with	्या स्टब्स्ट्रा इ.स.च्या
	RECEIVED	
o grovine	DEC 17 1957	
9. GROUT:  Kind   From (it.)   To (it.)		
	ENVIRONMENTAL SANITATION	-27 -39
	Construction of the well was completed o	on:
11. MISCELLANEOUS DATA:	dec. 9	19.57
Yield test:10 Hrs. at7 GPM.	The well is terminated48	inches
Depth from surface to water-level:65 ft.	above, below 🔀 the permanent ground	d surface
Water-level when pumping:ft.	Was the well disinfected upon completion	n?
to the second of	Yes_X_No	)
Water sample was sent to the state laboratory at:  Madison 12/9 757	Was the well sealed watertight upon con	mpletion?
Madison on 12/9 19 57	YesX No	)
Garber & Son B. G. Gralen	5807 W. Hampton Rd Milway	uitee 18
Signature Paristaved Well Driller	Complete Mail Address	
4 0 4000	ite in space helow	
Rec'd DEC 10 1957 No.40810	10 ml 10 ml 10 ml 10 m	l 10 ml
Ang'd	Gas-24 hrs	
Interpretation	48 hrs	
	Confirm	***
	B. Coli	

<b>新疆的地名美国西班牙斯</b>	مرسي ويسام			
WELL CONSTRUCTOR'S REPU		CONSINESTATE BOARD OF I	LEALTH A	
THE PROPERTY OF THE PARTY OF TH		一个"一个"的"一个"。	ICT 9 100	
		<b>2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.</b>	C 3/1947	7.
1. County Milwaukee	EDIEL HE	Wydd Granville		
2. Location 8741-North-Grenvil	e Hoad	Milwaukee		S. 1
3. Owner or Agent Harvey Froemm	a a second and a s	Talking at the same and		
The state of the s	The state of the s			7
4. Address 8741-North-Grany				
:5. From well to nearest: Building 13	2:_ft; scwei	27.25 fft; drain 12 ft; sept	ic tank 80	ft;
dry well or filter bed none ft; abar	doned well	none		, .
6. Well is intended to supply water for	Private I	ouse use and Tavern		
7. DRILLHOLE OR EXCAVATION:"	-952 J	10. FORMATIONS:		
Dia. (in.) From (it.) To	((L)		Thick- Total Derit	
10 10	7 (1)	held Registration and the second	- ((L) Y (h)	<del></del> .
	99 🔼	Top soils and red clay Gravel	0 1	<u>2</u>
and the year of the the terms	ond tool	There was a second of the said of the	12.1 2	5.7.}
	100	Hardpan	2561 70 70 78	
8. CASING AND LINER PIPE OR CUI	RBING:			<del></del> ,
Dia (in.) Prom (it.)	7. (1.) (1.1.)	Top rock and the same	78 80	<u>.</u>
Steel pipe 0 4	800	Limetrock	80 00	<u> </u>
	3.5	A STATE OF THE STA		<u> </u>
2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m		Selection and the selection of the selec	THE THE REST COMMENT	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
9. GROUT:	13.	200 CONT. 100 CONT.		<u> </u>
Puddled clay 0	05			7: 5
ruddied Glay	25	The state of the s	Sept. United Sept.	
	1			
	·			
11. MISCELLANEOUS DATA:		••		
Yield test:5 Hrs. at12	GPM.	Construction of the well was co July 3,	•	
Depth from surface to water: 20	ft.	*******	19	
Water-level when pumping:	ft.	The well is terminated8 (above)_ (below) the permanen	t grade.	:pes
Water sample sent to laboratory at		Was the well disinfected upon	completion?	
			No	
Kenosha cn JulyZ,	19_47	Was the well sealed watertight		
6.011 0 11	_		X No	
Signature Come A. Social		6993-North- Green Bay		
Registered Well Driller		Complete Mail A. Milwaukee (9) Wiscons	nuress in	

TO THE RESIDENCE OF THE PARTY O

Examiner\_\_\_

WELL CONSTRUCTOR'S REPORT TO W	COVED STUDY TO A PROPERTY OF THE PROPERTY OF T
UNE NWS. 24T BY ALLE See Instructions	on Reverse Side
3. 1	(Town & P.)
1. County Multiple	Village [] William []
2. Location 6270 Pas. 182	FIRE DELIVERY
Name of street and number of premise	or Section, Town and Range numbers
3. Owner Dor Agent   USTILLUS	Olan II VI TENTAL
Name of individual,	partnership or sum
4. Mail Address 6270 /10. 18	2 - 11.
Complete add	
5. From well to nearest: Buildingft; sewer	
dry well or filter bedft; abandoned well	
6. Well is intended to supply water for:	
7. DRILLHOLE:	10. FORMATIONS:
Dia. (in.) From (it.) To (it.) Dia. (ie.) From (it.) To (it.)	Kind (fL) (fL)
10 0 40	Jop soil 0 3
6 0 100	Stoney clay 3 10
8. CASING AND LINER PIPE OR CURBING:	gravel 1/ 10 18
Dia. (in.) Kind and Weight From (it.) To (it.)	Hinerock 18 100
6 Steel 0 40	The second secon
	The same of the sa
* ***	
9. GROUT:	And the state of t
9. GROUT:    From (ft.)   To (ft.)	
	A CONTRACTOR OF THE PROPERTY O
Muskey 0 20	Construction of the well was completed on:
[ [ 20 40	Order -
11. MISCELLANEOUS DATA:	19.3 J
Yield test: 3 Hrs. at 10 GPM.	The well's terminated inches
Depth from surface to water-level:ft.	☐ above, below ☐ the permanent ground surface.
	Was the well disinfected upon completion?
Water-level when pumping:ft.	Yes //No
Water sample was sent to the state laboratory at:	
Madeson on July 28 1854	Was the well sealed watertight upon completion?
City	Yes No
ph 2.	7 7:00 02:0 1
Signature Will Dollars	Complete Mail Address
Registered Well Driver Please do not wi	rite in space below
Rec'd 30 1954 No22018	10 ml 10 ml 10 ml 10 ml
100 (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Ans'd	Gas-24 hrs.
Interpretation	48 hrs.
CAPE	Confirm
SAFE	
	B. Coll
	Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH JE 3 1 1947 See Instructions on Reverse Side Town Village City UTENW SEC 29 T.8N RZIE gula kun cesa san hasi nji ce " 3. Owner or Agent 4. Address \_ -ม-ดับเดิม ใน 💸 **ธนิบัตร** ประเทศใช้ เป็นสิติดิว e, ce uplac im libro esim 2000 5. From well to nearest. Building 35 ft; sewer \_\_\_\_ft; drain \_\_\_\_ft; septic tank \_\_\_ ft abandoned well\_\_\_\_ft. 6: Well is intended to supply water for: 14111 7. DRILLHOLE OR EXCAVATION: TYPE TO THE PROPERTY OF THE PROPER 10. FORMATIONS: From (it.) ness (ft.) 93. To William Kind 7 / 17 c 10**2 123 0**337 84 Control of the States of the Control of Ce عدي ar's fra columnation in a section and the . Ne Ebita Frad Ball ... 8. CASING AND LINER PIPE OR CURBING: uzeń uodsiłog reine zmir o ces in (tt) are in (tt). Strain, g citate and un (tt) ad resilve i grandig toll experts the a greeting, desident arbs THE 5. E.X 9. GROUT: 11. MISCELLANEOUS DATA: Construction of the well was completed on . Yield test: \_ Depth from surface to water: . The well is terminated \_\_\_\_ (above) (below) the permanent grade. Water-level when pumping: \_ Was the well disinfected upon completion? Water sample sent to laboratory at Was the well sealed watertight upon completion? Signature Registered Well Driller Complete Mail Address

19 アロ

#### WELL CONSTRUCTION REPORT WISCONSIN STATE BOARD OF HEALTH WELL CONSTRUCTION DIVISION

JAN 13 1942

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board

of Health on a form provided by the Board.			~
Owner Bassy Jeske	Driller	V.W. Sep	<u></u>
Street or RFD 10 2 Franchie Land	Post Office	5214 Vic	lasking
Post Office Milwausele	Date	<i>20_1-194/_</i> Per	mit No36_4_
	OF PREMISES		
Milwaukee, Gran	nville Town	The square below repredivided into 40 acre trace of the premises in the	cts. Mark the position
Describe further by subdivision, plat, district, lake	, lot,	$\mathcal{X}$	Sec. No. 29 Twp. No. 81
block, nearest principal highway, etc., whichever	apply. 107 St		Range $2/\left\{\frac{E}{W}\right\}$
DIAGRAM	OF PREMISES		
See Well Construction Report bulletin. In making the diagram	n in the space below	consider 10 ft. as the di	stance between lines.

: : ;

Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

FEB 28 1946

1. County Miller Miller	Town Village		
1. County	City		<del>_</del>
2. Location			
3. Owner or Agent Johnson	rbileky		
4. Address Bobolistic T	7/2-4/ NWSU	J See 29	18NR2
5. From well to nearest: Buildingft; sewe	r 23 ft; drain 35 ft; sept	tic tank	ft;
dry well or filter bedft; abandoned well_	ft.		•
6. Well is intended to supply water for:	home		
Both and the Charles of the Con-	10. FORMATIONS:		•
7. DRILLHOLE OR EXCAVATION:  Dia. (in.) From (ft.) To (ft.)		Thick-	Total Depth
10 0 20	Kind Kind	(ft.) :	··· (it.)
6 20 9/	gellow Clay	23	<u> </u>
ale base costro are it closes that the cost of the	Blue Class	30	<u> </u>
	Dand	10	65
8. CASING AND LINER PIPE OR CURBING:	Hard pares		76
Dia. To (ft.) (ft.)	Juniorse	15	7/
6 800 0 16	to ACT ( ), MICHES TO THE TOTAL CONTROL OF THE TOTA		· · · · ·
			<del></del>
			<del></del>
	·· <u></u>		
9. GROUT:  Kind (ft.) (ft.)			<del></del>
8. Plan 0 20		-	<del></del>
D. Carry			
		<i></i>	
			<del></del> , .
		·[	<del></del>
11. MISCELLANEOUS DATA:			
Yield test: 2 Hrs. at GPM.	Construction of the well was co	mpleted o	n 19 3/6
Depth from surface to water:ft.	The well is terminated	8	_ inches
Water-level when pumping:30ft.	(above) (below) the permanen	t grade.	
Water sample sent to laboratory at	Was the well disinfected upon		
Kenoska on Feb. 1/ 1946	Yes	•	
	Was the well sealed watertight Yes		
Cal .	55 14 W ON	ALL NO	( att
Signature Registered Well Driller	Complete Mail Ac	ldress	
	-//WW		

1. Cou		lwauk				(Town Village	Granville			
		SW Se				(City	Check o	ne and gi	ive name	
2. Loca	ation	10597	W.App	leton	AV-0	e or Section	Town and Rahistinum	2 E-11	WEF	7
3. Own	ner 🗷 or			uce_Cu	Lrry of individual		DI FE	b 1	955	
4 35-11		1050	<b>か ₩ · Δ</b>		•		ENVI	RONME	ENTAL	
4. Mai	l Addres	8 -1022		<u> </u>	Complete add	dress requir	ikee 16 Wis <b>s</b> o	instati	IÓN	
5. From	m well to	nearest	: Buildir	g_6	ft; sewer_x	<u>x</u> ft; (	drain_10_ft; ser	otic tank	40	ft;
dry	well or f	filter bed	48_f	t; abando	oned well.A	<b>xf</b> t				
6. Well	l is inter	ded to s	upply w	ater for:		Home	· · · ·			
	LLHOL						ORMATIONS:			*********
• '		 To ((L)	Dia. (in.)	From (ft.)	] To ((t.)		Kind		From (ft.)	To ((L)
9	0	20						·		(42)
6.	0	80				<del></del>	01			·
							Clay		15	15
			•		JRBING:		clay sandy		10	25
Dia. (in.)		ind and Weigh	<del></del>	From (ft.)	To (ft.)	<del></del>	sand		-5	Во
<u>6</u> t	TK.MD	19.4	5	0	_60:		clay gravel		15	45
	•	· ·		<u>.</u>	<del></del>	<u></u>	grave1		10	_55
	•	·.	<u> </u>				hardpan		<u>3</u>	58
9. <b>GR</b> (	OUT:	-					schall lime		2	60
	Kit	nd .	<u> </u>	From (!L)	To (ft.)		limestone		15	75
drill	mnq c	clav_		0	20		limestone W	<sup>۱.</sup> B	5	-'- <i></i>
•	•	. •		.	I.	Consta	ruction of the well		npleted	on:
11. M	USCELL	ANEOU	S DATA	\:		: 	0ct .19			19_49_
Yield te	st:4_	1	Hrs. at .	12	GPM.	The w	ell is terminated .	8		inches
		face to w			•		ve, below  the p		nt groun	d surface.
	•				ft.	Was t	he well disinfected	l upon c	ompletic	on?
Water-le	evel whe	n pumpi	ng:	48	ft.			Yes		
Water s	ample w	as sent t	o the sta	ate labora	atory at:			•		
				_	_ <b>19</b> _4 <u>9</u>	Was t	he well sealed wat	tertight	upon co	mpletion?
	City	·	n	LJG	- 19- <del>32</del>			Yes_x.	N	0
	Comb	per &		20	( 1	) -		<del></del>		
Signatu	re			4	7ago	<u>er</u>	5807 W.Hampt			aukee 16
	. · R	egistered	Well Dri	.Ple	ase do not wr	ito in spaco	Complete I	Mail Ado	ress	
Rec'd				No_			10 ml 10 m	1 10 m	il 10 n	nl 10 ml
Ans'd						Gas—24	hrs			
Internet	ation .			•		18	hrs			
mer bren	marii				• •		•			
				<del></del>		Co	nfirm		,	***
				·		B. Coli				

AUG 19 1946

1. Cou	ntyM	<u>ilwaukee</u>			Town  Thinge Grandville  Chax						
2. Loca	ation Ne	W. 1/4 Sec.	/_29_T	. 8N. R	21E.						
3. Own	ne <b>KXKX</b>	Wit _Irving-	Kohn-								
4. Add	ress 62	01_N.104th	St. M	ilwaukee	2_9_Wisc						
		nearest: Build ter bed <b>NON</b>			er <del>_ none</del> ft; drain_ <u>15</u> ft; sept _40ft.	ic tank	nonet;				
6. Wel	l is intend	led to supply wa	ater for:	Home							
	LLHOLE	OR EXCAVA	TION:	(ft.)	10. FORMATIONS:	Thick-	Total				
	.9 .	0	2:		Kind	ness (it.)	Depth (ft.)				
	6	0	-	5	<u>rill</u>	_2_	. 2				
					Soil	1	1_				
					clay stony	15	20				
	SING AN	D LINER PIPE	OR CUI	RBING:	Gravel	4	24				
Dia. (in.)	Dia. (in.) Kind		. From (ft.)	To (ft.)	schells	2	26				
6	Blk.st	d. WD.pipe	0	26	Limestone	36	62				
	<del> </del>			<del></del> .							
	ļ		·								
9. GR	OUT:		From (ft.)	To (ft.)							
Drill	<u>cut ti</u>	ngs		_21							
	· · · · ·		· · · ·	· · · · · · · · ·			 				
<u> </u>			··	<del></del>			<del></del>				
<u>.</u>						<u> </u>					
11. MIS	CELLAN	EOUS DATA:									
Yield to	st:	_3_ Hrs. at	20	GPM.	Construction of the well was co	mpleted o	<u> </u>				
Depth f	rom surfa	ace to water:	21	ft.	May 2		_ 1946				
Water-I	evel when	pumping:	21	ft.	(above) (below) the permanen	t grade.	mones				
Water	sample se	nt to laboratory	7 at		Was the well disinfected upon	-	on?				
Ken	oaha	on5/	/2	19_46	Was the well sealed watertight						
					•						
Signatu	re arbe	r & Krumm			5807 W. Hampton Rd.						
Memori	Re	gistered Well Dri	ller		Complete Mail Ad Milwaukee 9 Wisconsi						

	WELL CONSTRUCTO		VISCONSIN STATE BOARD C on Reverse Side	F HEALTH	r .			
	1. County Milares	ke 15) - 11	(Town ⊠ Village ☐ Gheck one an	d give natify				
	2. Location	reet and number of premis	e or Section, Town and Range numbers		495			
	3. Owner ⊠ or Agent □	Name of individue	Res		9			
	4. Mail Address	Complete ad	dress required					
	5. From well to nearest: Build	ing_ <i></i> ft; sewer_	ft; drainft; septic t	ank <b>Noza</b> ft	;			
	dry well or filter bed	ft; abandoned well_	ft					
	6. Well is intended to supply v							
	7. DRILLHOLE:	·	10. FORMATIONS:	_				
	Dia. (in.) From (ft.) To (ft.) Dia. (in.	From (ft.) To (ft.)	Kind	From (ft.)	To (ft.)			
Ψ	10 0 20		Red Eley	.0	10			
رځ	6 20 80		Blue "	10	50			
	8. CASING AND LINER PIF	E OR CURBING:	Hard Pan	50	<u> 56</u>			
5	Dia. (in.) Kind	From (ft.) To (ft.)	Sand	56	5-8			
7	6 Wrought Stel	0 58	Timerrik	58	80			
				·	<del></del>			
					<del></del>			
	9. GROUT:				<del></del> -			
	Kind	From (it.) To (it.)			· · ·			
	Mud	0 20	Construction of the well was completed on:					
	11. MISCELLANEOUS DAT	' <b>A:</b>	May 13		<u>ن کے 19</u>			
	Yield test: Hrs. at		The well is terminated	L nent ground	_ inches surface.			
	Depth from surface to water-lev	vel: <u>42</u> ft.	Was the well disinfected upo		•			
	Water-level when pumping:	ft.						
	Water sample was sent to the s	tate laboratory at:	Was the well sealed watertig	•				
	Kenosla on M	my 15 1950		X No.				
	Signature 4. 3. Registered Well Dr.	iller Please do not wr	#7, Box 367, Complete Mail A	ddress	limbe			
_/	Rec'd 5-17-50	No. 8043	10 ml 10 ml 1	0 ml 10 ml	10 ml			
25	Ans'd 1-21-50		Gas—24 hrs	00	<u>o</u>			
	Interpretation		48 hrs	+ 0	0			
		·	Confirm	0				
				+ 0	-			
			B. Coli	714	<i>[</i> .			

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH  See Instructions on Reverse Side									
1. County Milwaukee  2. Location 6226 No. 102 St.  Name of street and number of premis	Town Stanuelle Check one and give Game								
1. County	Check one and give dame								
2. Location 6216 M. 102 St	e or Section, Town and Range numbers								
3. Owner or Agent The Edward have	PICK SWNENWSec 297 WEZIEY. FALL								
4. Mail Address 6226 No 102mg -	Milwaukee								
5. From well to nearest: Building 17 ft; sewer	Vone ft; drain Noneft; septic tank Noneft;								
dry well or filter bed houlft: abandoned well	honest 75 ft. from Outhouse								
6. Well is intended to supply water for:	id=weE								
7. DRILLHOLE:	10. FORMATIONS:								
Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)	Kind From To								
10 0 15	Top 3014 + Chay 0 6								
6 15 35	TOPROCK 6 15								
8. CASING AND LINER PIPE OR CURBING:	LimeRock 15 35								
Dia. (in.) Kind From (ft.) To (ft.)									
6 Stelpine 0 15									
9. GROUT:									
Kind : From (ft.) To (ft.)									
CEMENT 0 15									
	Construction of the well was completed on:								
11. MISCELLANEOUS DATA:	- Eb 2 19 50								
Yield test: Hrs. at GPM.	The well is terminated inches								
·	above, belowed the permanent ground surface.								
Depth from surface to water-level:ft.									
Water-level when pumping:ft.	Was the well disinfected upon completion?								
Water sample was sent to the state laboratory at:	Yes No								
KENOSHA on MARCH 21950	Was the well sealed watertight upon completion?								
City on 1777 Ch 2, 19 50	Yes No								
Signature Emil & Greeks	6993 ho. Grunday Gue - milu.								
Registered Well Driller Please do not wr.	ite in space below								
Rec'd No	10 ml 10 ml 10 ml 10 ml								
Ans'd	Gas—24 hrs								
Interpretation	48 hrs								
	Confirm								
	B. Coli								
	· ·								
+	Examiner								

1. Cou	nty Milwankee		\Town \[ \] Village □	Granville			
		2 nd st. SWNE	City D	Check one and C29 18N R2	IE)		
	Name of st	reet and number of premis					
S. Own	ner or Agent 🗆 🚉	Name of individual	<u>in</u> , partnership or	arm	APR 13 195	5	
4. Mai	Address6200_N.	91 St. Milwaikae	Wis.	Eny. 	IRONMENT	TAL	
E Fran	m well to nearest: Buildi	_	dress réquired ft : due	in ft. contic.	ON SOLUTION	! *•	
	well or filter bed_55	_	•		•		
	l is intended to supply v		•				
	LLHOLE:		•	MATIONS:			
Dia. (in.)	From (ft.) To (ft.) Dia. (in.	) From (ft.) To (ft.)	c	Kind	From (ft.)	To (ft)	
					. 0	16 .	
			Grave	1	10	15	
	SING AND LINER PIP	•	Lime	stone	15	93X 7	0
Dia. (in.)	: Kind and Weight	From (ft.) To (ft.)		<u> </u>			
6	Std. Bl.	0 41	<u> </u>				
	·	<del> </del>	<u></u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
			<b> </b>		<u> </u>	<del></del>	
9. <b>GR</b>	OUT: ·· Kind	From (lt.)   .To (lt.)					
Bower	Sement	15 40			<u> </u>		
FURGE	. 9600544		Construc	tion of the well was	completed o	n:	
11. N	IISCELLANEOUS DAT	'A:		April 4		1955	
	est: <b>12</b> Hrs. at		The well	is terminated	6	inches	
	•		above,	below [] the perma	nent groun		
_	from surface to water-le	· .	Was the	well disinfected upo	n completio	n?	
Water-	level when pumping:	ft.		Yes_	No	)	
Water	sample was sent to the s	tate laboratory at:	Was the	well sealed watertig	rht upon co	mpletion?	
Med1		±11 6 19 55	Was site	,	No		
<u> </u>	City						
Signatu	ire A.C.Eddy 109	49 V. Appleton A	ve. Milwa				
	Registered Well Dr	Please do not wr	rite in space bel	Complete Mail	Address		
Dadi .				10 ml 10 ml	10 ml 10 m	ıl 10 ml	
rec a	1		Geo. 64 1				
·			Gas—24 hr				
Interpre	tation	SAFE.	48 hr	8.			
			Confir	m			
			B. Coli	/		·	
				Examine	r		

Examiner\_\_\_\_\_

See Instructions on Reverse Side										
1. County Miller Takelets	(Town V Village T Lours & DECE									
	City Check one and rive name									
2. Location 63.28 )(. 100	e or Section. Town and Range numbers									
· Little Land	e or section. Town and Range numbers									
3. Owner A or Agent A RO Nivo Name of individual										
4. Mail Address 23 3 5 5 1 1 1 10 10 0 0	The West of the State of the second									
	•									
5. From well to nearest: Building 15 ft; sewer	Light; drain / Tight; septic tank I lit;									
dry well or filter bed & ft; abandoned well?	LOAT appret and to the									
6. Well is intended to supply water for:	ery publicants and to amake that it									
7 DRILLHOLE: But has been priced to be said	II 10. FURMATIONS A 1 125 A CO SEC. AC TELL									
Dia. (in.) From (it.) To (it.) Dia. (in.) From (it.) To (it.)	to the sense of pessani evin in virting in the control									
San	on to College of then there and to y 5									
what depths from the surface. So not become	The property was a for restrict one of the life									
8. CASING AND LINER PIPE OR CURBING:	Timestone 16 85									
Dia. (in.)   ** Kind il 9810 9/1 //Frôm (it.)   13 To (it.)	Jake the lates, veen the well to and their									
E III Death Pala sal shire 5	described by source dense of her southful too									
a continue cate and other telegraph	Coal Table Construction Report (Well Lag)									
in a recollection is the bility of the period of the contraction of th	The state of the second and second section of the second of									
	Heart on the dam which accommended the Mart.									
9. GROUT:	C. C. rest of the most the Sentendament was									
CONTRACTOR DOUGHT STATE TO THE TANK OF THE PARTY OF THE P	come appropriate description accorded									
(2 12000 to (2)6 (2660)	Construction of the well was completed on:									
	8/2-1 195-1									
11: MISCELLANEOUS-DATA:	192_2									
Yield test:Hrs. atGPM.	The well is terminatedinches									
Depth from surface to water-level:ft.	🖪 above, below 🗖 the permanent ground surface.									
Water-level-when-pumping	Was the well disinfected upon completion?									
	Yes X No									
Water sample was sent-to-the state-laboratory at:	Was the well sealed watertight upon completion?									
/1con sha on 8/28 195/	Yes X No									
City										
Signature 14 (Politica)	76 16 V1. 43 rd Lt Milliante									
Registered Well Driller	Complete Mail Address									
Rec'dNo	10 ml 10 ml 10 ml 10 ml									
Ans'd	Gas—24 hrs									
Interpretation	48 hrs									
	Confirm									
(Dans), (18 5/1 V.Str. 1989) To.	B. Coli									
• 1	· Framina									

:

	1. Cou	inty	<u>H</u> ilwauk	ee,			Village Town of West Granville  City Check one and give name						
	2. Loc	ation		6348 ]	N. 101s	t Street	NENEN	WSec 29 T SA	JEZIE)	•	<i>UUT 1</i>		
	3. Ow	ner 😰 or			Potom	Monah		firm			BURE		
	4. Ma	il Addres	ss	6344	No. 1	Ooth Stre	et dress required				V		
	5. Fro	m well to	) nearest	: Buildir	ng_9	ft; sewer	ft; dra	inft; se	ptic tan	kf	t;		
	•				-								
				upply w	ater for:		Residentia						
		ILLHOL		. <b></b>		. m- //. \	10. <b>FOR</b>	MATIONS:		From	l To		
			To (ft.)	Dia. (in.)	From (IL)	To (ft.)		Kind	<del> </del>	(ft)	To (ft.)		
3	6in	0	85		<del> </del>		Topsoi	.1		0	4		
1						<u> </u>	Gravel	and Sand	<del> </del>	4	27		
$\mathcal{Y}_{\varsigma}$	8. CA					JRBING:	Limest	one Niagara	(hard)	27	63		
m	Dia. (in.)	K	ind and Weigl	ht .	From (ft.)	To (ft.)	Limest	one	<u> </u>	63	85		
	_6	A.O.Smi	ith Line	Pipe		<del></del> .							
		New Hea	avy Duty	23:00	0	_27	· .				· ·		
	9. GR	OUT:						·					
		Ki	nd		From (ft.)	To (ft.)							
							Construction of the well was completed on:						
			10.091										
	11. N	MISCELI	LANEOU	S DATA	<b>A</b> :		September 25 1951						
	Vield t	ost. 4	1	Hrs at	nine	GPM.	The well	is terminated		6	inches		
							1	below [] the					
	Depth :	from sur	face to w	ater-lev	el: <del>_</del>	<u>0</u> ft.	Was the	well disinfecte	d unon o	omnletio	m ?		
	Water-	level whe	n pumpi	ng:	11_	ft.	Was the	wen disimecte	-	<b>-</b>			
	Water	sample w	as sent t	o the sta	ate labor	atory at:		•			)		
		_					Was the	well sealed wa	tertight	upon co	mpletion?		
	Kenos	City	0	u sable:	erta	1 <b>51</b>			Yes	<u> </u>	D		
		110	11 11		· <u>.</u> .	<del></del>	<u> </u>			•			
	Signatu	re /// R	Alegistered		ller	rilling ase do not w	4102 N. A	50th St Milw Complete					
·	Rec'd	10-2-	51		No	5710	·	10 ml 10 n	nl 10 n	al 10 m	l 10 ml		
	Ans'd	10-2	-51				Gas—24 hrs	5					
	Interpre		لسنه	لخم			48 hrs	!					
		*********	$\sim$	•	بند								
		سلسب					Confir	m					
		سممد	خيم				B. Coli						
						1	r.	zaminau					

1. Cou	nty]	Milwan	kea			(Town M -{Village □ 	Granville Check one and	~~~~~~	
2. Loca	ation	1050	9_NXX	MEY	W. Mill	Rd or Section: Town	and Range numbers //(		
8. Owa	ner 🔁 or	Agent [	]:Je	Nede Name 2134	ls of individual Na 9th	, partnership or fir	Ci.es.	195	ZU AL
5 From	m well to	noorogt	· Buildir		• •	dress required	ft: contin to	. 50 €4	•
•	• •	÷.		•		ft	ft; septic tar	IK31U_1	j
					Hem	11-1	NW Sec 29 7	8N Ro	21 6
	ILLHOL	• • •			<i>.</i>	10. <b>FORM</b>	ATIONS:		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)		Kind	From (ft.)	To (ft)
<u> </u>				· ; · .		Cla	▼	0	44
· 		: .					stene	44	54
8. CA	SING A	ND LIN	ER PIP	E OR CU	RBING:	1,210			
Dia(in.)	K	ind and Weig	bt .	From (ft.)	To (ft.)		:		
. 7	Std.	B1.		0	44				
. •				·	·				<del></del>
						ALSO	PUMP INSTALLE	n :	<del></del>
9. GR	OUT:			_					
· · ·	KI	nd.	·	From (ft.)	.To (ft.)		·		
· · · · ·	lav		. •		· · ·		<del></del>	_!!	<del></del> -
		•				Constructio	n of the well was co	ompleted or	n:
11. N	IISCELI	LANEOU	S DATA	<b>A:</b>			10/	<u> 17</u>	19.55_
V:-13 4	Q	٠ ,	LTwa at	10	CDM	The well is	terminated6		inches
				• .			elow 🗆 the perman		
Depth f	rom sur	face to w	ater-lev	el:	<b>14</b> ft.	-	ell disinfected upon		
Water-l	evel whe	en pumpi	ng:	16	ì ft.	Was the we	<u>-</u>	· -	
Water s	sample w	as sent t	o the st	ate labor	atory at:			_x No.	•
	_			24	_	Was the wo	ell sealed watertigh	t upon con	apletion?
	City	V	II -TO\$-2		_ ,1000	•	Yes	X_ No.	
Signatu	re	A.C.Ed legistered	đ <u>y 1</u> ( Well Dri	ller		ito in space below	i Luaukee Wis Complete Mail Ad	dress	
Rec'd	0 <b>C</b>	T 25 1	955 .	No	3655		10 ml 10 ml 10	ml 10 ml	10 ml
Ang'd				<i>1</i> 90		Gas—24 hrs.			
Interpret	ation			<b>3/</b> 4,	<b>1</b> 3	48 hrs.			
						Confirm			<del>-</del>
						B. Coli			
						1 3	Examiner_		

	VISCONSIN STATE BOARD OF HEALTH s on Reverse Side
1. County Milwantee	Town Danwille
2. Location 9375 W. 711ill	City Check one and give name
Name of street and number of premi	se or Section, Town and Range numbers
	i, participally or firm
4. Mail Address 9491 W. Complete ad	l Pd. Milwanka wons
5. From well to nearest: Building/_ft; sewer_	ft; drain_30_ft_septic tank & Tit;
dry well or filter bed5_ft; abandoned well_	ft.
6. Well is intended to supply water for:	
7. DRILLHOLE:	10. FORMATIONS:
Dis. (in.) From (ft.) To (ft.) Dis. (in.) From (ft.) To (ft.)	Kind From To (ft.)
10 0 25 6 15 120	Clay 0 40
	Blue Clay 40 55
8. CASING AND LINER PIPE OR CURBING:  Dia. (in.)   Kind and Weight   From (ft.)   To (ft.)	Hard-Han 55 68
6 STEEL 19.45 0 68	Jime Rock 68 120
9. GROUT:	
Kind From (ft.) To (ft.)	
MUD 0 25	
	Construction of the well was completed on:
11. MISCELLANEOUS DATA:	1955
Yield test: Hrs. at GPM.	The well is terminated inches
Depth from surface to water-level:48ft.	☑ above, below ☐ the permanent ground surface.
Water-level when pumping:55ft.	Was the well disinfected upon completion?
Water sample was sent to the state laboratory at:	YesX No
Madison on 2-22 1955	Was the well sealed watertight upon completion?
City 011 139150	Yes X No
Signature Robert Rosch 1792712	est appleton and Will
Registered Well Driller Please do not w	rite in space below Complete Mail Address
FEB 2 4 1955	10 ml 10 ml 10 ml 10 ml
Ans'd	Gas-24 hrs.
Interpretation	48 hrs.
SAFE	
- 13 de	Confirm
	B. Coli

Examiner.

if	nty Milwaukee			Town City	·	one and g		
2. Loc	ation 9305 W. Mi	street and nur	11waukee	or Section, T	WNENE	Sec 29	I TRN	1831E
	ner 🗂 or Agent 🗀 💴	Nam	e of individual,		r Arm			
4. Mai	Address 9305 W.	Mill Ro	Milwau	kee 18				
5. Fro	m well to nearest: Bui	lding 15	ft; sewer	ft; dra	unknor ainft; s	m eptic tanl	ft	;
	well or filter bed			ft				
	l is intended to supply	water for	nome					
	LLHOLE:	#- > + E #4 >		10. FOR	MATIONS:	1	From	To
5	O 120	(iii.) From (it.)	To (ft.)	02.4	Kind		([F) .	114
				Old				
		<u> </u>	!	lime	stone		6	120
	SING AND LINER P		į.	<del></del>		_ <del></del>		
Dia. (in.)	Kind and Weight	From (ft.)	unknown		<u> </u>			
5	blk. Std		UIIKHOWI				-15/6	
	· <del></del>			<del></del>				
			L			NOV	6 1957	Stage of the stage
9. <b>GR</b> (	DUT:				EN	VIRO	MEN	TAL_
	Kind	From (ft.)	To (ft.)			SANI	ATIO	N
				Construc	tion of the we	ll was cor	npleted o	n:
11. M	IISCELLANEOUS DA	ATA:		Oct.	28			19.57
Yield te	st:30 Hrs.	at10	GPM.	The well	is terminated	6		inches
Danth f	rom surface to water-	level: 65		<b>₹</b> above	, below $\square$ the	<b>per</b> manei	nt ground	surface.
•			{}	Was the	well disinfect	ed upon c	ompletion	1?
Water-l	evel when pumping: .	75	ft.			Yes2	No.	
Water s	ample was sent to the	state labor	atory at:	Was the	well sealed w	•	•	
Madi	son 10	0/28	19.57	was the	well sealed w			-
	City					Yes	X No	
Ni a 400	Garber & Son	19.9	Gader	5807	W. Hampto	on Rd I	lilwauk	ree 18
Signatu	Registered Well	Driller Ple	esc do not writ	te in space be	Complete	Mail Add	ress	
Rec'd	UC 1295 1957	N3'	7183		10 ml 10	ml 10 m	ıl 10 ml	10 ml
Ans'd	Because of the pr	econce of the		Gas-24 h	'S		· - <del>/-</del>	<del>y-</del>
Interpret	ation one of the 10 cc.	portions of 1	his sam-	48 hi	·s. <u>+</u>	<u></u>		0
· · · ·	ple another exam	ination is a	dvisabl <b>e.</b>	Confi	1	1-0		<del></del>
					11		ne	
				B. Coli	1/			

1. Cou	nty	Milwan	ıkee			_{Villa		Gra	nvill	<u>e</u>		
	, - ·	•			+ CHAI	City	Cara		heck one	Rale	name	
					t. SWN		ion, Town		-46-1446		Z	
3. Ow:	ner XI or	Agent T	1I	elma	<u>Menard</u>					UDU.		i D
<b></b>	ب			" · Nam	nber of premis Lenard e of individua b_stl	l, partner	ship or fir	m	ENV	in Z	1955	
4. Mai	il Äddres	s62	71 N.	IOS_t	h st. J.	ilwau	kee	` <del></del>	<b>5</b>	Wipa	ENTHE	
5 Tro	m well to	noirest:	. Buildin	w T5:	ft; sewer_	-		T5. 4			_	 •• ,
										t tank		
dry	well or	filter bed	_00f	t; aband	oned well_	nonet			<u>-1 </u>			<del>-</del>
6. We	ll is inter	nded to s	upply wa	ater for	. Res	<u>idens</u>	<u>e</u>		:			<i>-</i>
• • •	ILLHOL	••	· · · · · · · · · · · · · · · · · · ·		44.1		FORM!			·	From	1/ <b>To</b>
-	\				Tó (ft.)	-	DO Session	Kind			(ft.)	(ft.)
8.		40	6	40	90	11 -			1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/		0	<u>דידי</u>
	::: '		: "	79	14.	∦	Limes	tone			17	90
	SING A				URBING:			· .			<del>.</del>	· 
Dia. (in.)		Kind		From (ft.)	To (ft.)			· · ·			· · · · · ·	
_6	Std.	Vt.Blk	Pine	<u> </u>	40	∥ —						
	<u> </u>					∥ '	<u></u>	·	··			
	ļ <u> </u>			·		·	• • •		<u> </u>			
9. GR						∥						
نننن	Ki			From (It.)		<b>.</b>	· · · ·	<u> </u>	· ·		· · ·	
Neat	t Cemei	nt Gro	ut .	<u>·0 ·</u>	<u>40</u>	Con	:. struction	 n of the	e well wa	es com	nleted o	 n•
		<del> </del>			l		ou acuto		4/7/5		pieteu o	
. 11. N	MISCELI	LANEOU	S DATA	۱:					.=/_'/			_ 19
Yield to	est:	3 I	Hrs. at .	ŢĢ	GPM.	10						inches
Depth 1	from sur	face to w	ater-leve	el: <u>IO</u>	ft.	∥ ±Cla ∥	bove, be	low [	the peri	manent	ground	surface.
Water-	lovol whe	n numni	næ.	30	ft.	Was	the we	ll disin	fected u	pon co	mpletion	1?
	<i>:</i>								Ye	sX	No.	
Water :	sample w	as sent to	o the sta	te labor	atory at:	Was	the we	ll seale	d water	tight v	ipon con	npletion?
Kac	dison_ City	01	n	4/8	_ 19_55				Υe	esX.	No.	
	L	· 10	<i>(</i> : , , ,									
Signatu	ıre <u> </u>	Legistered	Well Dril	~ = <i>-</i>		7	<u>616 N</u>		d st. plete Mai			
				./ Ple	ase do not w	rite in spa	ice below		- 			
Rec'd				No				10 ml	10 ml	10 ml	10 ml	10 ml
Ans'd				· 		Gas—	24 hrs.					
Internret	tation						18 hrs.					
_												
						B. Coli	i .					
									Exami	ner		

		WELL	CONSTR	UCTOR		ORT TO V		IN STATE	BOARD (	OF HEA	LTH /			
	_						(Town							
	1. Cou	nty Vol VIII	Mi Iwan)	29	1811 62	ÎF Î	_{Village (City	□Gran	Check one a	nd give nar	/ ne,/			
	-	ation 1				· ·			الأتم					
	<b>2.</b> 200	amon -a	Ne	ame of str	eet and nun	nber of premi	se or Section,	Town and Re	ange numbers		`T-			
	3. Ow	ner 🚺 or	Agent [	]E3	ner Eu	er		*******			NMERTA;			
	_	. —		/34/900	Name	, partnership	or arm		Seni	TATION				
	4. Mail Address 10515 W. Appleton Ave. Milwankee Wis.  Complete address required													
	5. From well to nearest: Building16_ft; sewerft; drain_50_ft; septic tank_65ft;													
	dry well or filter bed_65ft; abandoned wellft.													
	dry	well or 1	ilter bed	_551	t; aband	It	<u>-</u>							
	6. Wel	l is inter	ided to s	upply w	ater for:	Home	&_M	otel			· ,			
	7. DR	ILLHOL	E:	•			10. FO	RMATION	is:		•			
	Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	l	Kind		From (ft.)				
								<b>43</b>	:	0	30			
								- tray	,					
	° CA	CTNC AT	MD I INI	FD DIDI	F AP CT	JRBING:	<del></del>	-clay & (	<del>grevol</del>	· 3	. i.			
V	Dia. (in.)		nd and Weigh		From (ft.)			imestone	<del> </del>	45	<del></del>			
		·			1		∦	· · ·						
y (r.		Standi	ed Weil	ale E	<b>_</b>	<u>45</u>	╢	<del></del> -	<u> </u>					
W. Cak	1		· · · · · ·		·				··· .	***				
· }}	<del> </del>					·	<b>  </b>	·						
	9. GR	OUT:					ll							
		Kiı	ad		From (ft.)	To (fL)	<u>.</u>		, :					
		cla	Ly		_0	<b>25</b>		·.		• . •				
							Constr	uction of th	ne well was	s complete	ed on:			
	11. N	<b>IISCELL</b>	ANEOU	S DATA	<b>A</b> :		Oct 25							
*	37: 13 4.	-4. 30	Hrs. at _a GPM.			CDM	The we	all is tarmi	notod ·		inches			
				•			II -	•		_	und surface			
	Depth i	from surf	ace to w	ater-lev	el:	25 ft.	ll ' "				· · · :			
	Water-	evel whe	n pümpi	ng:4	<b>0</b>	ft.	Was the well disinfected upon completion?							
				_					Yes	<del></del>	No			
		_			•	atory at:	Was th	ne well seal	led waterti	ght upon	completion '			
	Ker	City	0	n _26		_ 19_52_	Yes No							
			•			11								
	Signatu	re A.C	EDDY				_109	49 W. Am	laton Ave	aMi.]wa	ukse Wig			
	. Signatu		egistered	Well Dril	ller	ase do not wi		Con	mplete Mail	Address	<del>~~~</del> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
<i>م</i> ،			20.5		<del></del>	7619		10 ml	10 ml	10 ml 1	0 ml 10 ml			
		10:			No.≟	<u> </u>								
	Ans'd	10	20.5				Gas-24	hrs.	<u> </u>		<u>,                                    </u>			
•	Interpre	ation		<i></i>			48	hrs			<u>ව ල</u>			
			ترييه	the stand	E.		Com		•	•				
	E Land							*******						

1 Cou	mése 1	#4 lwon				Town [	] g_Grany	411e			
1. 000	WSENW	Sec 8T	EN EN	<u>E)</u>		City [			d give name	· · · ·	· <b>-</b>
2. Loc	ation	3432 N	.Gran	ville	Rd.	•				يمسود	
3. Ow	ner 🗂 or	Agent [	Edv	win Wi	tta	, partnership o	own and Ran	DE			
	l Addres			446100	Or MIGHTING	, partnership o	or mem	ENVIR	ONMENT .		
4. Mai	1 Addres	8 <u>Gra</u>	177 1 1 1 1	- 1120	Complete ad	dress required		<u>sa</u>	NOITAT		-
5. Fro	m well to	nearest	: Buildir	<b>g</b> _8	ft; sewer	XXft; dr	ain 18 ft	; septic t	ank 56 ft	;	-
dry	well or f	ilter bed	_56f	t; abando	ned well	ft					••
6. Wel	l is inter	ded to s	upply w	ater for:	Home						
7. DR	ILLHOL	e:		•.		10. FOR	RMATIONS	•			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (it)	To (ft.)	ll	Kind		From (it.)	To (it)	
9	0	18			<u>:</u> :		clay		0	5	
6	0	146			· 		gravel m	uddy	120	125	_
8. CA	SING A	ND LINI	er pipi	e or cu	RBING:		limeston	e WB	21.	146	_
Dia. (in.)		nd and Weigh		From (ft.)	To (ft)	<b></b>					
6	DTK.M.	D 19.4	:D	0 .	125	<b> </b>				· · · · · · · · · · · · · · · · · · ·	:
		<del>:</del>			<del></del>	<b> </b>	<del></del>			<del></del>	-
	· 							. ·			
9. GR	DUT:		. :		÷					٠.	
	Kin			From (IL)	To (ft.)						
cla	y dril	l mud		<u>0</u> ·	18	G	4:				•
	`		l	·		•			completed or		•
11. M	uscelļ	ANEOU	S DATA	<b>/:</b> ·		April 13 19.54					
Yield te	st:	31	Hrs. at .	12	GPM.				8		
	•				2ft.	☑ above, below ☐ the permanent ground surface.					
					•	Was the well disinfected upon completion?					
. :	•				ft.			Yes_	No.	X	_
Water s	sample w	as sent t	o the sta	ate labora	atory at:	∥ Was the	well sealed	l watertig	tht upon con	pletion	?
Keno	sha City	0	n <u>4</u> /	14	_ <b>19</b> _54_			_	X No.	-	
	City			100			<del> </del>				_
Signatu	Ge re	rber å	Son	09	Jacker	580	7 W.Hamp	ton .Rd	.Miļwauk	e 16	_
	R	egistered	Well Dril	ler//Pie	ase do not wr	ito in spaco be	low Comp	olete Mail A	Address		_
			······································	<b>37</b> -			10 ml	10 ml 1	i0 ml · 10 ml	10 ml	<b></b> 
Rec'd	•			No							•
Ans'd					188 <sub>0</sub> ,,,,,,,,,,,,,,	Gas-24 h	rs			- '	
Interpret	ation		·		 . ب ک مسمور مرکب د 	48 hi	rs				-
					. ·	Confi	rm				-
						B. Coli					

WELL CONSTRUCTOR'S REPORT TO W See Instructions	VISCONSIN STATE BOARD OF I on Reverse Side	HEALTE						
1. County Milwacker								
2. Location 1201 20 Grace	(City Check one and ki	ye name. Û(C	Des					
NWNE NE Sec 8 Name of street and number of premis	e or Section, Town and Range numbers	NAPON	250 3/					
3. Owner Or Agent	partnership or firm	WYA	TENT					
4. Mail Address 976 / W Gazza	irra Deen Al. iress required		10 <sub>N</sub> 12					
5. From well to nearest: Building_/ft; sewerft; drainft; septic tankft;								
dry well or filter bedft; abandoned well	ft							
6. Well is intended to supply water for:	ione)							
7. DRILLHOLE:	10. FORMATIONS:	-	•					
Dia. (in.) From (it.) To (it.) Dia. (in.) From (it.) To (it.)	Kind	From (IL)	To (ft.)					
10 0 20	Jag Sail		3					
60146	Allow Chan	3	2/					
8. CASING AND LINER PIPE OR CURBING:	1 Blue "1	21	55					
Dia. (in.) Kind and Weight From (it.) To (it.)	Sandy "	5.5	90					
6 steel 0 107	Storefy Clay	90	102					
	Timberoale	102	146					
		<u></u>	<u> </u>					
9. GROUT:								
Kind From (it.) To (it.)			<del></del>					
ourace lay 0 70	Construction of the well was con	apleted o	<b>n:</b>					
11. MISCELLANEOUS DATA:	Morr. 25		<u> </u>					
Yield test: Hrs. at GPM.	The well is terminated inches   Zabove, below  the permanent ground surface.							
Depth from surface to water-level: _32ft.	Was the well disinfected upon completion?							
Water-level when pumping:ft.	Yes No							
Water sample was sent to the state laboratory at:	Was the well sealed watertight upon completion?							
Maleson on Not 76 1997	Yes 🗠	No.	_					
Signature Registered Well Driller  Registered Well Driller  Please do not write in space below  Complete Mail Address								
Rec'd Nov 2 9 1952 No 22138	10 ml 10 ml 10 m	l 10 ml	10 ml					
Ans'd	Gas—24 hrs	(7)	20					
Interpretation	48 hrs. 2		00					
	Confirm							
	B. Coli	2	20					

Examiner\_

1. Cou	nty	Mil	wauke	<b>9</b> _		(Town 5 Village [	<u> </u>	Granvil.	<u>le :</u>	i din sa		
2 Tages	ation	943	5 W	Brown 1	Deer Rd.	(City [		TEN R	od give name	me m		
z. no	amon	N	ame of str	eet and num	iber of premis	e or Section, T	own and Rai	nge numbers	القراقة المقارقة			
3. Own	ner 🐔 or	Agent [	]	Lawren	ceCor of individual	rrigan , partnership o	r Arm	<b>!</b>	AUG 18 19	12 Mg		
4. Mai	l Addres	s <u>94</u>	35 W.	Brown	Deer ro	i. Mi	lwauke	e Wise	SAMITATI	0%		
5. Fro	m well to	nearest:	: Buildi	ng_15_	ft; sewer	<u>3</u> Oft; dr	ain_ <u>15</u>	ft; septic t	tank_25f	t;		
dry	well or	filter bed	<u>50</u> f	t; abando	oned well_1	lonet.						
6. Wel	l is inter	nded to s	upply w	ater for:	Resi	dence						
	ILLHOL						MATION	S:				
Dia. (in.)	From (ft.)	To (it.)	Dia. (in.)	From (ft.)	To (ft.)	-	Kind	·	From (ft.)	(ft.)		
8	0	_20	6	-20_	105	Clay	7	•	0	75		
					<u> </u>	Sand	l (fin	e)	75	100		
8. CA		ND LINI ind and Weigl		E OR CU	JRBING:	Sand	l (cor	<b>se</b> )	100	105		
6		Blk St	<del></del>	From (IL)	10 (12)		<u> </u>	<del></del>	<u> </u>	<del></del>		
0	Sca		Pipe	0	105				<b>-</b>	ļ		
· · · · ·		<u>.</u>	100				<del></del>	<del>-</del>				
9. GR	OUT:	·· ·· ·		·\—						<u> </u>		
	Ki	nd		From (ft.)	To (ft.)		<del></del>	· ·	<del></del>			
Pude	dled C	lay (f	111)	<u> </u>	20			<del></del>	!			
						Construc	tion of th	e well was	completed o	on:		
11. M	nsceli	ANEOU	S DAT	A:				6/20	/55	19		
Yield te	est:	31	Irs. at	20	GPM.				8			
Denth f	rom sur	face to w	ater-lev	el: <u>18</u>	ft.	🗷 above	, below 🔲	the perma	nent groun	d surface.		
				18		Was the	well disin	fected upo	n completio	n?		
						YesX No						
	-			ate labora	·	Was the well sealed watertight upon completion?						
Mac	l180n City	O	n	6/20	_ 19.55_			Yes.	<b>x</b> No	D		
	2	- P	10,,			2020	37 47	a 1	15 2 1-a			
Signatu	reR	egistered	Well Dri	ller	Filler	ite in space be	N. 43r	plete Mail	<u>Milwauke</u> Address	<u>a</u>		
	<u> </u>						10 ml	10 ml 1	10 ml 10 m	l 10 ml		
						G						
						Gas-24 hi						
Interpret	ation					48 hr						
						Confi	rm					
						B. Coli						
								Examine	· 			

1. County Militarikie	(Town No. )						
2. Location 8429 M. Shamille M	City Check one and give name						
Name of street and number of premis	se or Section, Town and Range numbers						
3. Owner of or Agent	Anaka)						
4. Mail Address & 429 N. Sraunille Complete ad	Poal dress required						
5. From well to nearest: Building_/b_ft; sewer_s	ft; drain /6 ft; septic tank 60 ft;						
dry well or filter bed_65_ft; abandoned well_	Nowêt.						
6. Well is intended to supply water for: Sign	lence						
7. DRILLHOLE:	10. FORMATIONS:						
Dia. (in.)   From (ft.)   To (ft.)   Dia. (in.)   From (ft.)   To (ft.)	Kind (i) To						
10 0 20	Gravel 0 20						
6 20 103	Stoney elay 20 75						
8. CASING AND LINER PIPE OR CURBING:	Sand & Glavel 75 93						
Dia. (in.) Kind and Weight From (ft.) To (ft.)	Topsock 93 96						
6 Standard Steel 0 96	Thou line Stone 96 103						
Pipe							
<u> </u>							
9. GROUT:							
Kind . From (ft.) To (ft.)							
Ruddled Clay 0 20							
<u> </u>	Construction of the well was completed on:						
11. MISCELLANEOUS DATA:	February 28 1956						
Yield test: $4$ Hrs. at $2$ GPM.	The well is terminated inches						
Depth from surface to water-level:ft.	above, below the permanent ground surface.						
	Was the well disinfected upon completion?						
water-level when pumping:tt.	Yes No						
Water sample was sent to the state laboratory at:	Was the well sealed watertight upon completion?						
Madison on Febr. 29 1956	Yes No						
6-649	8748 M. Kilder Ct. mile 9.						
Signature Registered Well Driller	Complete Mail Address						
Please do not wr	ite in space below						
Rec'd No No	10 ml 10 ml 10 ml 10 ml						
Ans'd	Gas-24 hrs						
Interpretation	48 hrs						
	Confirm						
	B. Coli						
	Examiner						

Signature Register	ered Well Driller Please do not wri	te in space below	Com	plete Ma	il Address		<u>, w</u> -	•
Rec'dJUL 30 1	954 <b>No22018</b>		10 ml	10 ml	10 ml	10 ml	10 ml	
Ans'd		Gas—24 hrs.		)				
Interpretation		. 48 hrs.	-22				£	
	SAFE	Confirm						
		B. Coli	<u></u>					
		) )		Exam	iner			

### WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side

1. County Milwansface	(Town D Grannelle
2. Location 9401 W. Will Rd	City Check one and give name  NWNENESec 2978NR21E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3. Owner 🛛 or Agent 🗆 Name of Anglyidual	partnership or firm
4. Mail Address 940) W Will Rd	milwarbee ENVIRONIVIENT BANITATION
	ft; drain_/5ft; septic tankft;
dry well or filter bedft; abandoned well	
6. Well is intended to supply water for:	•
7. DRILLHOLE: Dia. (in.)   From (ft.)   To (ft.)   Dia. (in.)   From (ft.)   To (ft.)	10. FORMATIONS:
8 0 20 Dia. (in.) From (ft.) To (ft.)	Kind From To (it.)
	4: de 4 9x ma 53 123
8. CASING AND LINER PIPE OR CURBING:	
Dia. (in.) Kind and Weight From (ft.) To (ft.)	
6 Steel 0 60	
9. GROUT:	
Kind From (it.) To (it.)	
J. Clay 0 20	
	Construction of the well was completed on:
11. MISCELLANEOUS DATA:	8-3 19 V3
Yield test: _3 Hrs. at GPM.	The well is terminated inches
Depth from surface to water-level: $47_{}$ ft.	🛮 above, below 🗌 the permanent ground surface.
Water-level when pumping:ft.	Was the well disinfected upon completion?
	Yes_yeo_ No
Water sample was sent to the state laboratory at:	Was the well sealed watertight upon completion?
Moudison on 8-3 1953	Yes_#EE No
Signature Otto Rose hi 121655 W.	
Registered Well Driller Please do not wr	Complete Mail Address
Rec'd No	10 ml 10 ml 10 ml 10 ml
Ans'd	Gas—24 hrs
AIDANOUNCA.	48 hrs.
Interpretation March 65	
	Confirm
	B. Coli
	Framina

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF REALTH See Instructions on Reverse Side

. County MILKAUKEE	Village DILLIAN Check one and size name
Name of street and number of premise	or Section, Town and Range numbers
3. Owner T or Agent AL 3057. Th. ALD O	Partnership or firm
4. Mail Address 7/54 No Mill Rong	Unil WAUNEE 16
<b>4</b>	ft; drainft; septic tankft;
dry well or filter bedft; abandoned well	ft.
6. Well is intended to supply water for: カモユ	<del>-</del> 
7. DRILLHOLE:	10. FORMATIONS:
Dia. (in.)   Fresa (ft.)   To (ft.)   Dia. (in.)   From (ft.)   To (ft.)	Kind From To
10 0 50 6 50 185	CLAY 0 80
	HARPAN SE 130
8. CASING AND LINER PIPE OR CURBING:	5ANU 130 133
Dia. (in.) Kind and Weight From (it.) To (it.)	Line Stone 133 185
6 Strek Pipe C 133	RECEIVED
	ncT 1 7 1956
9. GROUT:	
Kind From (it.) To (it.)	ENVIRONMENTAL SANITAT OF
PUDDLEDCLAY 0 50	Construction of the well was completed on:
11. MISCELLANEOUS DATA:	CCTOBER 1956
Yield test: 15 Hrs. at 16 GPM.	The well is terminatedinches
Depth from surface to water-level:ft.	☐ above, below ☐ the permanant ground surface.
Water-level when pumping:ft.	Was the well disinfected upon completion?
	Yes No
Water sample was sent to the state laboratory at:	Was the well sealed watertight upon completion?
MADISON ON OCHOUR 9 1956	Ycs_ X No
Signature Registered Well Driller Flease do not w	S41011 EALCITE 1 Rd 7 1 K4 AUREE 16  Complete Mail Address vito in space below
Rec'd No. 37.4.	10 ml 10 ml 10 ml 10 ml 10 ml ,
	Gas-24 hrs.
SAFE Interpretation	48 hrs
incipionium	Confirm
	Examiner

WELL CONSTRUCTOR'S REPORT TO WIS	n Reverse Side					
1. County Milwarlace	Town III Wannelle					
OUNIN MAILED	City Check one and give name  NWNENESSC 29TENESIE DE C					
2. Location / Name of street and number of promise-	NWNENESCATENED IN TO THE PROPERTY OF THE PROPE					
3. Owner ( or Agent   Agent	SEP A					
Name of Individual, p	- NVRONA					
4. Mail Address 940711 Will Ad.	MULWEUTELL EANITATION					
5. From well to nearest: Building 15 ft; sewer						
	1. 18 . R. 12					
dry well or filter bedft; abandoned well						
6. Well is intended to supply water for:	4					
7. DRILLHOLE:	10. FORMATIONS:					
Dia. (in.) From (it.) To (it.) Dia. (in.) From (it.) To (it.)	Rind (IL) (IL)					
8 0 20	060					
	Line Ston 23 123					
8. CASING AND LINER PIPE OR CURBING:						
Dia. (in.) Kind and Weight From (ft.) To (ft.)						
6 Steel 0 60						
	<u>· · · · · · · · · · · · · · · · · · · </u>					
9. GROUT:						
Kind From (lt.) To (lt.)						
P. Clory 0 20	The state of the s					
	Construction of the well was completed on:					
11. MISCELLANEOUS DATA:	8-3 1953					
Yield test: 3 Hrs. at 5 GPM.	The well is terminated inches					
Depth from surface to water-level: 47ft.	☑ above, below ☐ the permanent ground surface.					
	Was the well disinfected upon completion?					
Water-level when pumping:ft.	Yes yes No					
Water sample was sent to the state laboratory at:	Was the well scaled watertight upon completion?					
Made on 1-3 1953	Yes Y & E No					
City						
Signature Att Pase 1612165578.	Lichon ave Milroquibec 16					
Registered Well Driller Please do not wri	Complete Mail Address					
	10 ml 10 ml 10 ml 10 ml					
Rec'dNoNo						
Ans'd	Gas—24 hrs.					
Interpretation	48 hrs					
AAAAV	Confirm					
1X1, X1, _	B. Coli					
4/0	The same to the					

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**|** 

	Well 6
	SCONSIN STATE BOARD OF HEALT.H
See Instructions	
1. County Inlumber	Village of Brown Oct
<b>.</b> .	City   Check one and give name
2. Location State of premise	of Section, Town and Range numbers
3. Owner or Agent   Mrs. Hack	PARTICIPATION OF SECT TRUBTIE
4. Mail Address 8 4 7 7 60 Complete and	At Ganvelle Wise
4. Mail Address うしんとしていたいたんの	reas required
5. From well to nearest: Building Ift; sewer 5	Oft; drain 75 ft; septic tank 15 ft:
dry well or filter bed (C_ft; abandoned well)	· · · · · · · · · · · · · · · · · · ·
6. Well is intended to supply water for:	Residence
7. DRILLHOLE:	10. FORMATIONS:
Dia (lb.)   From (lt.)   To (lt.)   Dia. (lb.)   From (lt.)   To (lt.)	Kind (it.)
10 0 25	Top sieland sidden to 25
6 25 120	Ilu clu J 25 72
8. CASING AND LINER PIPE OR CURBING:	sand and gravel 72 83
Dia (in.) Kind and Weight From (ft.) To (ft.)	top rock , 83 85
O.D. 26 ills frft. 0 25	Dime sach 35 120
	BED
	ENED
9. GROUT:	MUV 27 1956
Kind From (ft.) To (ft.)	ENVIR NIMENT
Tudal Clay 0 25	Construction of the well was completed on:
11 MY CONT LANGUAGE STATE	Jan 11
11. MISCELLANEOUS DATA:	19.2
Yield test: Hrs. at GPM.	The well is terminated inches inches above, below _ the permanent ground surface.
Depth from surface to water-level:3ft.	<b>4</b>
Water-level when pumping:ft.	Was the well disinfected upon completion?
Water sample was sent to the state laboratory at:	YesNo
madeson on 7102-19 1927.	Was the well sealed watertight upon completion?
7.44.00.00.00.00.00.00.00.00.00.00.00.00.	YesNo
S D H H	also 57487 Kildner at m.l. 9
Signature Feristered Well Drifter	Complete Mail Address
913.0	
Rec'd NOV > 100	10 ml 10 ml 10 ml 10 ml
Ans'd	Gas-24 hrs.
Interpretation	48 hrs
W.	Confirm
	B. Coli
	Examiner

WELL	The second secon	TE BOARD OF HE SION, MADISON, W	
WELL LOG	·	DIAGRAM, and	REPORT
	For Official Reco	rd of the Board A P. A. A. A. A.	
wner John	O (TO BE USED FOR TH	Driller Leaten:	may.
f a joint ownership rive name of remoniding an interest. Use a separate sheet	nable official. Also name of each individual to and attach hereto.)	Address Q-1 Circle	aly Mis
ddress (Glb. offer. to	ownship. county)	Date of Report July	19.5
Melwankel	property on which well is drill	ed. Registration No.	393
incorporated village or city	•	· · · · · · · · · · · · · · · · · · ·	Street and No.
unincorporated hamlet		Let Bile.	Highway
FarmCounty	Twp.	Sec.	Highway
School	Twp.	Bec. Twp.	District Sec.
fiscellaneous	Kind County	Twp.	Sec.
	WELL LOG a	and REPORT	
Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, scal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = it. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test.
	0 2 3 4 5 6 0 10 12 14 16 10 24		Duration of test.
			Hours
: :			Pumping Rate.
سينية بيخر والمحاج المحيرات		and the second s	Depth of pump in well.
	]. ][]]]]]]]]		Fr. 72
	50 50		Standing water-level (from surface.)
•			Fr. 60
	75		Water level when pumping
		1 W& Bock	
		103 Hto Rock.	Clear
	100		Cloudy
	//~  <del>       </del>	190 ft. Conflicts.	Was well sterilized before test?
	180	the contraction.	Yes No
		1907 1 30	To which Laboratory was
		Kie,	To which Laboratory was sample sent?
	700		Date
		i	Was the well sepled on
	<del>                                    </del>	•	Was the well scaled on completion? Yes No

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MENOMONEE RIVER HILLS SUBDIVISION, MILWAUKEE, MILWAUKEE CO., WIS.

Well No. 1, 91st St. and Mill Road SE sec. 20, T. 8 N., R. 21 E.

Martin G. Hall, Driller, 1956

Samples examined by F. Thwaites, Nos. 191658-191674

, i	0-20	20	1010.	Till, light brown-gray, dolomitic			14° pipe
82	20-82	62		Till, light gray, dolomitic, descibed as gravel in driller's log.		<b> </b>	60 water 8" pipe
	82-350	268	7,7	Dolomite, light gray	-	<u> </u>	<del>- 8</del> 5
							8" hole
			77				·
٠						i 1	
						1 1	
			7,7		- 58.		
268							

Tested 24 hours at 220 g.p.m. specific capacity = 1.29 g.p.m./ft iditional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis.

WELL NO. 4, MENOMONEE RIVER HILLS SUBDIVISION, MILWAUKEE, MILWAUKEE CO., 91st. St. and Mill Road, SB; sec. 20, T. 8 N., R. 21 E.

Martin G. Hall, Driller Samples examined by F. T. Thwaites,
Nos. 191718-191737

	0-20	20		Till, brown-gray, dolemitic	[]	T:	14° pipe
I	20-85	65	00	Till, light gray, dolomitic; log descibed everything below 70 as gravel.	_;		cement
	• • • • •						50 water 8" pipe
100	85-100	15	060000	Till, stony, light gray, dolomitic, rock?			<del> 9</del> 0
1	100-400	300	1	Dolomite, light gray			
Äl	•						<b>0</b>
<b>A</b>	·					]	8° hole
300							

sted 24 hours at 240 g.p.m. specific capacity = 2.18 g.p.m./ft. ditional sepies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis.

WELL NO. 2, MENOMONEE RIVER HILLS SUBDIVISION, MILWAUKEE, MILWAUKEE CO., WIS.
91st and Mill Road SEt sec. 20, T. 8 N., R. 21 E.
Martin G. Hall, Driller, 1956 Samples examined by F. 1. Thwaites,
Nos. 191675-191695

· •						
•		0-5	15	A RESE	Till brown-gray, weathered	14" pipe
	!	5-40	35	2:014.1	Till, light brown-gray, dolomitic	1° 1 1° -1
Ī	1		1			cement
14		40.80	1	1 2 4 4		
į	] · :	40-80	40		Till, light gray, dolomitic, described in	≥ 50 water
; ; [			ſ	1:31.0	·log as sand below 30	8" pipe
	80					- Ag
•		80-400	B20.	1 - L	Dolomite, light gray	
•			<b>7</b> .	~~~		
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fested 24 hours at 200 g.p.m. specific capacity = 1.11 g.p.m./ft.
additional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis

WELL NO. 3, MENOMONEE RIVER HILLS SUBDIVISION, MILWAUKEE, MILWAUKEE CO., WIS.
91st. St. and Mill Road, SE; sec. 20, T. 8 N., R. 21 E.
Martin G. Hall, Driller, 1956 Samples examined by F. T. Thwaites,
Nos. 191696-191717

·		•		• · · · · · · · · · · · · · · · · · · ·		
	0-15	15	1619.1 els:	Till. brown-gray, dolomitic		14° pipe
	15-60	45		Till, light gray, dolomitic; described as gravel below 55 in drillers log.		1 ('el
Ĺ	60-65	13	4 10 10 10 10	Gravel, fine, very silty	ן נ	- JO Mater
	65-80	115	19-19	Till, light gray, dolomitic stony	- 1	8 pipe
	80-85	<del>  2</del> `	4.4	Gravel, line, slity	-{	o brhe
00 [	85-100	15	0.0	Till, light gray, dolomitic	<u>.</u>	
	100-400	300		Dolomite, light gray	1 7	100
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Tested 24 hours at 160 gopom. specific capacity = 0.89 g.p.m./ft. idditional sopies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis

EVERT CONTAINER CORPORATION WELL, MILWAUKEE, WIS.

7601 W. Good Hope Road NE NE sec. 21, 1.8 N., R. 21 E.

Milaeger Well Drilling Co., Contractors, 1956

Samples examined by F. T. Thwaites and J. B. Steuerwald, Nos.

193356-193413

Silt. light gray, dolomitic

Till, light gray, dolomitic

20

cement

12° pipe

	Ļ.,			+	Trible -	2/33/4-2/3423			14
	a		0-5	<del>  5</del> -	1 /	Silt, light gray, dolomitic			16" nine
	R		5-70	65	10,000	Till, light gray, dolomitic			16" pipe
·	7		, , , ,	1	1	1			
	1			i	0.0				cement
	F			1	17. 1. 3	, , ,		•	12° pipe
	P	•	•	1	1.0,00		ı		y-yu
•	<b> </b>	•		<u> </u>	. /	• • • • • • • • • • • • • • • • • • • •			l <b></b> .
	l	20	70-80 80-90	1.10		No samples	ł	<del></del>	75 water
	Ш	90	80-90	1 10		Gravel, fine, sandy	. 1		
	П		90-200	110	V /	Dolomite, light gray; no sample 175-180	` _		L–98 -
••	1 1		70-200	1	<del>}</del>	potomical refer fruit no sembre riveres	•		70
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	I. I		200-300	100		Dolomite, light and medium gray	•	• ;	
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	R		300-325	25		Dolomite, light gray; little chert, white	Ì		
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	1 1		325-350	25		Dolomite, light gray	1		12" hole
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	ll		350-480	130		Delemite light constalities should white	1		
			370-400	120		Dolomite, light gray; little chert, white	1	(	)
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-[		ļ	500-515			Dolomite, blue-gray, shaly		ľ	
		1	<i>5</i> 1 <i>5</i> - <i>5</i> 30	15		Shale, blue-gray, dolomitic	J.	· [	10 pipe
ا ً:	R	- 1	530-545	15		Dolomite, blue-gray, medium gray: shale laver	ار ر	ľ	haha
'-	-1	ł			<del>  </del>		' 1	l li	,
· •	I C H M O N	ľ	<i>545</i> -630 .	85	<u> </u>	Shale, blue-gray, dolomitic	٠,	ľ	•
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- 1	GAL	ŀ	700-805	105		Dolomite, light brown-gray, little blue-gray;		Ĭ	, ,
- 1	ام	I	1	;	\ ]	no sample 770-775		ı	•
1	71	I	j	- ; - }	<del> </del>			1	10° hole
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		Evert Contain	er well, Milwaukee p. 2 ( 193356-193413)		M1-420
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<b>-</b> J				i	l j
ь	.805-835	30 D	olomite, light gray	. ]	1 .
r l	835-860	25 D	olomite, blue-gray, gray, light gray	1	l 10° hole
•	860-905	45 D	olomite, light and medium gray	'	10 1010
V				. ;	
	905-915		olomite, derk grav, medium grav	. '	1
i i	930-935	5	olomite, light gray eardy	1	ł ·
F 1250	935-945 945-950		olomite. Very sondy very light gray	1	1
	950-955	5 Sand	istore fine to medium, light gray	<b>!</b>	1

ormations: Drift; Niagara; Richmond (Maquoketa); Galena-Platteville; St. Peter ested at 700 g.p.m.(time?) specific capacity = 2.85 g.p.m./ft.

auditional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis.

			ST	. PE		igelical lutheran Church Well, Granville, Wisco	nsin		<b>21</b> 430			
-	6500 North 76 th. Street, SWI, SEI, Sec. 32, T. 8 N., R. 21 E. SE / 4, SE											
	1	11	755 F	<b>-</b> 44		iu-Laun Inc., Drillers, June 1957	'/4, '	5 <b>L</b> / •	7, 21			
	4	LE	755 E			les examined by J. Steuerwald, Nos. 195584-1956	04  :::1	193	- 4			
.			0-10			Till, sandy & stony, some soil, dolomitic, brown			16° pipe			
	•		10-55	45	0 (05) 6	Till, gray, stony, dolomitic			cement			
					191110		إنب	حلقا	grout 20°			
	D			1	12.7		1	1	20"			
- 1	R			1	3/3/5		- 1	,				
١	I				4 77:01		1					
1	F		•		- 10 110"		L	_	531 makes			
•	I		55-60	5		Till, clayey, Some pebbles, gray, dolomitic	· [		53' Wate:			
			60-120	60	AIDIOIL	Till, stony, gray, dolomitic	ł	1	•			
1			•		1-1-10		.					
	•			1	ブルカボリ	• •	ł	1				
	i		·		1500	•			8° pipe			
					グインタング		1					
					3/0/3			1				
					14101		- 1					
		120	•		5470		.	1				
-			120-125	2	1,1,1,1	Dolomite, medium-light gray	ب	L	124'			
			125-140	15		Dolomite, medium-light gray, some dark gray		1 .	•			
							i	1				
			140-145	20	7,7,7,7	Dolomite, light gray, much white chert		1				
	_		145-165	20	<del>-1-1-1-1</del>	Dolomite, medium gray, some light gray	1	ł				
	7				$I_{i}I_{i}I_{j}I_{i}I_{j}I_{j}I_{j}I_{j}I_{j}I_{j}I_{j}I_{j$			1				
	Į		165-170	2		Dolomite, light medium gray		i	Se hala			
	G	. }	170-175	20		Dolomite. light medium gray, some white chert		ļ.	8º bole			
	Ă		175-195	20		Dolomite, medium gray, little brown gray		Ţ				
-	R				1,1,1,1,1		- 1					
ı	A	1	195-205	10		Dolomite medium gray, some very dark gray	i	1				
٠			205-215	10	1111		i	i				
			203-213	20		Dolomite, medium gray, little dark gray	- 1	1				
			215-230	15		Dolomite, light gray and medium gray	1	ı				
		ł			1,1,1,1,		1	1				
			230-240	10		Dolomite, medium gray	i	i				
			240-260	20	<del>-1,1-,1-,1</del>	Dolomite, medium gray, little dark gray-	ļ	1				
	ı		_	1	I, I, I, I	(contamination)						
			-0/0 0/5		1,1,1	No sample		1				
-			260-265 265-275	5 10		Dolomite, medium gray	1	1				
			<del> </del>	1		•	i	1				
			275-285	10	101011	Dolomite, light gray, some white chert	. 1	. !	,			
			095 335	30		D-3 :	. 1					
			285-315	30	111	Dolomite, light gray	i	i	•			
				1 1			;	ı				
	J				<del>'                                    </del>	·	J	1				
ı		į	315-320	Σ	0/0//	Dolomite, light gray, little white chest	I	!				
١		ŀ	320-325	15		Dolomite light gray	İ	1				
	1		325-340			Dolomite, light gray, much white chert	1	1				
		ŀ	340-345	5		Dolomite medium gray, some tan gray	ļ	į				
	ļ			17	10/0/0/	Dolomite, light gray, much white chert	ļ	i				
				1 1	10/0/0		ļ	1				
_ !	 _	242			<u> </u>							

Tested for 8 hours at 38 g.p.m., specific capacity = 0.22 g.p.m./ft.
Additional copies may be secured from the Wisconsin Geological Survey, Science Hall, Madison 6, 7

KEN . COOK PUBLISHING CO. WELL, MILWAUKEE CO., WIS.

99th St., and Silver Spring Road, SE, sec. 29, T. 8 N., R. 21 :

Milaeger Well Drilling Co., 1955

Samples examined by F. T. Thwaites and John Steuerwald,

. '	Wisconsin Geological Survey, Nos. 181721-181760						
	0-5 5 Till, silty, gray, weathered						
•		.5-40	35	1.0.011.	Till, gray, dolomitic	14" pipe	
D R I		:		10:00.0		cement	
r	1 1			0.0.10		40. water	
T	,	40-50	10		Clay, some sand, light gray, dolomitic		
		50-55	15		Sand, fine to silty, light gray		
		55-60	15	6.0.000	Till, light gray, dolomitic	80 -4	
	80	60-80	20		Sand, very fine to silty, light gray, dolomitic	8" pipe	
		80-95	15		Dolomite, light gray, broken, mixed with drift	_ 96	
		95-202	107	1	Dolomite, light gray somewhat shaly 160-165	1	
א בן				7,			
A				7,7	the state of the s		
A						1	
'R				77		1	
				4			
1						1	
.			1	7		•	
					1000 1000 1000 1000 1000 1000 1000 100	1	
,			1	<del></del>		1	
	122					1	

Pumped 80 g.p.m. with pump at 120 ft. Additional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wi

ML-14

WELL NO. 2, HARVEST ESTATES SUBDIVISION, MILWAUKEE, MILWAUKEE CO., WIS.

SE: sec. 31, T. 8 N., R. 21 E.

Milaeger Well Drilling Co., Contractors, 1957
Semples exemined by F. T. Thweites and J. B. Steuerweld, Nos. 195098.

İ	195109 The liver tes and J. B. Steuerward, Nos. 195098.						
		0-10	10	0/4. 6%	Till, red-brown to brown gray, dolomitic		
I.		10-75	65		Till, gray, dolomitic		cement  cement  40  40 water  10" pipe
I	95	75-95	20		Dolomite, medium gray, broken, drift		95
		95-235	140		Dolomite, medium to light gray	1	     
A L							10" hole
		235-250	7.		Dolomito light grove shout white		 
Ľ	155			0 0	Dolomitte, light gray; chert, white		<u> </u>

ssted& hours at 200 g.p.m. specific capacity = 1.25 g.p.m./ft.
iditional copies may be secured from Wisconsin Geological Survey, Science Hall, Medison 6, Wis.

BUTLER (TEWS) LIME AND CEMENT CO., WELL, BUTLER, MILKAUKEE CO., WISS.

SWISWI sec. 31, T. S N., R. 21 E. 12005 W. Hampton Ave.

Milaeger Well Drilling Co., 1957

Samples examined by F. T. Thweites and J. R. Stouppuld

Samples examined by F. T. Thwaites and J. B. Steuerwald, Nos. 194884-194899

	194004-194099							
	D K I T	•	0-65	65	0.	Till, gray, dolomitic	=	16" pipe cement 20 30 water
		65			70.00			10" pipe
		•	65-90 -	25		Dolomite, light gray, some medium gray		7.5
			90-105	15	1	Dolomite, light to medium gray, yellow-gray, broken	1	
	N L A		105–135	30		Dolomite, light to medium gray, yellow-gray		1
ĺ	G ▲ R		135-150	15	7	Dolomite, light to medium gray	1	
	A		150÷190	40		Dolomite, light gray, light yellow-gray, very little cnert, white		10° hole
		•	κ.;		0 0			1
-		•	190-200	10	7	Dolomite, light gray		
	ł		200-205	-5	0/0	Dolomite, lt.gray, lt. yellow-gray	i	1
	•		205-245	40	0 0	Dolomite, light gray; chert, white		1
		180	•		9,3			

Tested 8 hours at 150 g.p.m. specific capacity = 1.38 g.p.m./ft.
Additional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis

WELL NO.1, HARVEST ESTATES SUBDIVISION, MILWAUKEE, MILWAUKEE CO., WIS.

NE /4, NC /4 SEZ sec. 31, T. 8 N., R. 21 E. 3//5

Milaeger Well Drilling Co., Contractors, 1957

Samples examined by F. T. Thwaites and J. B. Steuerwald, Nos. 195085-195097 フタひ ヒナル 0-70 Till, gray, dolomitie 16" pipe Ï cement 40-45 Water 10" pipe 70 -67 70-80 10 Dolomite, medium gray, much drift 80-165 25 Dolomite, light to medium gray 110" hole Dolomite, light gray; chert, white 40 -165-205 0 Dolomite, medium gray 205-250 45

'ested 24 hours at 205 g.p.m. specific capacity = 1.37 g.p.m./ft.
Zdditional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis.

180

GRANVILLE

WELL NO. 1, ROBERT WILLIAM PARK, GLENDALE, WIS. 107th St and Silver Spring Road, NW, NW, NWsec. 32, T. 8 N., R. 21 E Milaeger Well Drilling Co., 1955 F. T. Thwaites, Wis consin Geological Survey, Flow 15 at 400 Till, gray, dolomitic 0-40 g.p.m. 16" pipe cement 40 40-50 Gravel, coarse, stony 10 50 10" rips Dolomite, medium-gray, soft 50-70 20 60 70-135 65 Dolomite, light gray 110" hole 25 135-160 Dolomite, ver'y light gray 160-230 70 Dolomite, light gray R 230-265 35 Dolomite, light gray; chert, white 0 265-306 41 Dolomite, very light gray

atural flow 200 g.p.m. Pumping 400 g.p.m. lowers water to 15 dditional copies may be secured from Wisconsin Geological Survey, Science Hall, Ma dison 6, 77

236

HAMPTON HEIGHTS CO-OP TIGERALD E. WICHMAN WELL) MILWAUKEE CO., WIS. N. 107th St and W. Hampton Road  $SE_{\overline{\mu}}^{\frac{1}{4}}, SE_{\overline{\mu}}^{\frac{1}{4}}, Sec.32$ , T.8N., Milaeger Well Drilling Co., 1955 R.21E. Samples examined by F. T. Thwaites and John Steuerwald. Nos. 197863-197902 0-25 Till, light brown-gray, dolomitic 16" pipe 010,0 cement 25-80 . Till, medium gray, dolomitic '|p 10" pipe F 75 water 80-85 No s ample 0.0.0 . 85~120 35 Till, medium gray, dolomitic 0,00 120-148 28 Drift, no samples 148 148 148-180 32 Rock, no s\_amples 10" hole 30h 180-210 Dolomite, light-medium gray 210-217 No s emples 217-234 17 Dolomite, light gray, slight oxidation of cracks 36 234-270 Dolomite, light gray to medium gray; some ٥ chert, white 270-278 No samples 278-287 Dolomite with openings, light gray 287-298 11 Dolomite, light and medium gray 298-304 6 Dolomite, light gray: chert, white 304-312 No s\_ample 312-335 23

No s amples

25

335-360

212

Dolomite, light gray; some chert, white

	WELL NO. 2, ROBERT WILLAIM PARK, MILWAUKEE CO., WIS.							
1	103rd St., and Silver Spring Road (W. Custer) SE1, NW1, NW1, Sec. 32, T.8N.							
•	_	Milaeger Well Drilling Co., 1955	R.21E.					
A."	Samples examined by F. T. Thwaites and John Stuerwald, Nos. 186077-186134							
	0-20	20 Sand, very fine, dolomitic, light yel-gray	: :16° pipe					
	•		= 12 water					
I	20-35	15 000 Till, rusty gray, weathered	cement					
,	35-60	25 o o o Till, light gray, dolemitie	1 40					
	- "	/6.1.6.	7 -					
64		.0. / . 0 -	10" pipe					
	60-64	4 '.' Sand, medium to coarse; till sandy, dol, gy	- 64					
11.	64-85	21 Dolomite, light to very light gray, little blue-gray						
	85-105	20 Dolomite, medium gray	l  10" hole					
11	105-225	120 Dolcmite, light gray						
11								
<b>1</b> +1	·							
			1 1					
R.			1					
ll								
11.								
			1 1					
	•		p t					
			<u> </u>					
	205 202							
[ ]	225-280	Dolomite, light gray; chert, white						
<b>,</b>			•					
.			* **					
			1 !					

Tested at 300 g.p.m. specific capacity = 10.7 g.p.m./ft.

Dolomite, light gray

280-305

## APPENDIX D PHONE CONVERSATION RECORDS





Conversation with:	Date 10 / 9 / 9 /
Name Chad Czarkowski	Time 8:30 (AM) PM
Company WDUR	
Address Milwaukee	☑ Originator Placed Call
//// 2/2 0/00	☐ Originator Received Call
Phone <u>4/4-263-8687</u>	W.O. NO. 2687-07-01-0029
Subject Wells in NW Milwaukee	·
Notes: The WIDAIR Mas a last of	halls in Milara skap as al
The WDNR has a list of 1978. There is not a record constructed, or what agency chad will send the 18st to	of he wife a list was
Constructed on what arenew	constructed the list
Chad ill and the lat the	INF.STAN
VILLA WILL SEVILLE 1160 1181 10	NDOIDIG.
The only high capacity well	ch the area of 1/1/1
Milwavkee & around 100h	hand Ham often at
Robert Williams Park - not	
TIONAT WITHOUTH ICELLS	in the study as ea
All well top- constructors repo	rts and well abandonnent
reports are un file at t	
open to the public. WDNA	?
2300	N. King Dr. (3rd St)
	u Kee, W1 53212
	open 7:45-4:30
Chad recommended calling Bu	dy Petopwich at the
flumbing inspectors to see abo	of the list origin
T 3 / 1	J
□ File	Follow-Up-Action:
□ Tickle File//	
☐ Follow-Up By:	
□ Copy/Route To:	
	Originator's Initials





Conversation with:  Name  Company Aqua Water Well Drilling and  Address Service  Phone 4/4-375-3833  Subject Wells in NW milwaukee	Date 10 / 9 / 9/  Time AM/PM  □ Originator Placed Call □ Originator Received Call W.O. NO. 2487-07-01-0029
Notes:  Drilling firms do not keep well  However, they do send all o  reports to the WDNR.  4 Dec-Typical well yields from a  for the average housed  of 10-15 gal/min.	constructors reports on file.  constructors and abandonment  the dolomite aguifer  hold is on the order
☐ File	Follow-Up-Action:
□ Follow-Up By:	· · · · · · · · · · · · · · · · · · ·
	Originator's Initials



T. Harding

Time PM  ☐ Originator Placed Call ☐ Originator Received Call
W.O. NO. 2687-07-01-0029
nds and recommended
Follow-Up-Action:





Conversation with:	Date_ <i>[D]</i>
Name Mr. Tabaska	TimeAM/PM
Company M. Warker Water Engineering	$\boldsymbol{\mathcal{U}}$
Address Dept	☐ Originator Placed Call
	☐ Originator Received Call
Phone 4/4-278-3343	W.O. NO. 2687-07-61-0029
	Milwaukee
Subject	
Notes: Pert	dres not know or have and
The Water Engineering Dept of records of private well	Sie sold college VI
- TOTAL OF DIVINE WELL	1. 2126 -221
plumbing inspector at 4/4	244-336/
14 1/ 2	
19 Nov - 3 pm -	
Mr. Tabaska looked	up when the water main
was constructed along N	Granville Rd - The
larliest possible book-u	o to municipal water
was 1961:	
	· · · · · · · · · · · · · · · · · · ·
	<del></del>
☐ File	Follow-Up-Action:
☐ Tickle File/	
☐ Follow-Up By:	
□ Copy/Route To:	
	Originator's Initials



T. Harding
Originator

Conversation with:	Date//			
Name Irene Lippelt	TimePM			
Address Mad 1307	- Chinington Bloom Coll			
Address 110011011	Originator Placed Call			
Phone 608-862-7430	_			
Subject				
Notes:				
Well logs + construct	ors reports were			
ordered for 58,				
Sections have the mos	it wells identified			
from the list from	- · · · · · · · · · · · · · · · · · · ·			
	the sorvey area			
were ordered the	n there would be			
hundreds of repor	ts.			
19 New Well constructors repor	to stopped in the late			
19Nov Well constructors repor 1950's. This indicated	I that howse holds			
connected to city was	ker according to Irene			
	3			
<u> </u>				
□ File	_ Follow-Up-Action:			
□ Tickle File//	•			
☐ Follow-Up By:				
□ Copy/Route To:				
	<u>-</u>			
	Originator's Initials			





Conversation with:	Date 12, 5, 9/
Name Budy Petrowich	TimeAMAPM
Company Plumbing lasp Mil	
Address	☐ Originator Placed Call
	☐ Originator Received Call
Phone 4/4-278-336/	W.O. NO. 3687-07-01-0029
Subject	•
Notes:	
- Rudy has no knou	Ledge of the list of
77 - 47	ne said that if a
household is with	
	is carupht with a
private west, que	y are brdered to
nook-up to the	nam.
□ File	Follow-Up-Action:
☐ Tickle File//	
☐ Follow-Up By:	
□ Copy/Route To:	
	Originator's Initials





Conversation with:	Date 2 , 5 , 9/
Name Kim	TimePM
Company Milwaukee drinking water tisting	
Address	☐ Originator Placed Call
	☐ Originator Received Call
Phone 4/4 - 278 - 3538	W.O. NO. 2687 07 6/ 0029
Subject WC//5	<u> </u>
Notes:  The nake kstring agency to Minimaker They keep reco	samples from
The water koting ogency t	sts private wells in
Mhitackee. They keep rec	ords for five years
of wells that have been	n sampled.
	<b>-</b>
There is no record of wh	ere wells are located
They sample only when as	
More of the wells which	are on the list of
polentral WIK has been	some alad with in the
lest him were upon	bus and well
pokential Wells has been last five years, nor in the vicinity of the	Trace les
in the violity of ite	- Freeze G
□ File	Follow-Up-Action:
☐ Tickle File//	
☐ Follow-Up By:	
□ Copy/Route To:	
	Originator's Initials