

# Appendix 1

Select Residential Water Well Records

**WATER WELL RECORD**

ACT 294 PA 1965

MICHIGAN DEPARTMENT  
OF  
PUBLIC HEALTH

6

<b>1 LOCATION OF WELL</b>			
County <u>Wash</u>	Twp. <u>Seylan</u>	Fraction ¼    ¼    ¼	Section No. <u>7</u>
		Town <u>2 N.W.S.</u>	Range <u>3 E.W.S.</u>
Distance and Direction from Road Intersections <u>CORNER OF LOVELAND &amp; CLAVANAUGH LK RD. (SE CORNER)</u>		OWNER No. _____	
Street address & City of Well Location <u>4115 LOVELAND</u>		3 OWNER OF WELL: <u>CHARLES YOUNG</u> Address <u>4115 LOVELAND RD</u> <u>CHELSEA MICH.</u>	
<b>2 FORMATION</b>	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: (completed) <u>67</u> ft. Date of Completion _____
<u>SAND MIXED WITH CLAY</u>	<u>11</u>	<u>11</u>	5 <input checked="" type="checkbox"/> Cable tool <input type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> _____
<u>FINE SAND</u>	<u>49</u>	<u>60</u>	6 USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input type="checkbox"/> _____
<u>GRAVEL</u>	<u>78</u>	<u>67</u>	7 CASING: Diam. Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Height: Above/Below surface <u>1</u> ft. <u>4</u> in. to <u>63</u> ft. Depth Weight <u>11</u> lbs./ft. _____ in. to _____ ft. Depth Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			8 SCREEN: Type: <u>WW Cook</u> Dia.: <u>3 3/4</u> Slot/Groove <u>35</u> Length <u>4'</u> Set between <u>63</u> ft. and <u>67</u> ft. Fittings: <u>packer &amp; plug</u>
			9 STATIC WATER LEVEL <u>24</u> ft. below land surface
			10 PUMPING LEVEL below land surface <u>24</u> ft. after <u>2</u> hrs. pumping <u>20</u> g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m.
			11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____
			12 WELL HEAD COMPLETION: <input type="checkbox"/> In Approved Pit <input type="checkbox"/> Pitless Adapter <input type="checkbox"/> 12" Above Grade
			13 GROUTING: Well Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Material: <input type="checkbox"/> Neat Cement <input type="checkbox"/> _____ Depth: From _____ ft. to _____ ft.
			14 SANITARY: Nearest Source of possible contamination <u>100</u> feet <u>S</u> Direction <u>Septic</u> Type Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			15 PUMP: Manufacturer's Name _____ Model Number _____ HP _____ Length of Drop Pipe _____ ft. capacity _____ G.P.M. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> _____ <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating
16 Remarks, elevation, source of data, etc.  <u>Hill Top Plumbing</u> <u>CHELSEA INSTALLING</u> <u>Pump</u>		17 WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. <u>Cribley Drilling Co.</u> <u>0524</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>4690 Dexter-Parkway Rd</u> Signed <u>Paul G. Clark</u> Date <u>7-24-67</u> (AUTHORIZED REPRESENTATIVE)	
		ADDED INFO. BY DRILLER, ITEM NO. _____ CORRECTED BY: _____ ADDITION BY: _____	

AUG - 9 1967

7

TAX NO:

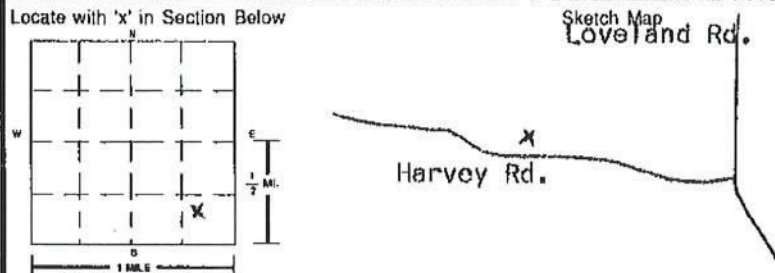
**WATER WELL AND PUMP RECORD**  
 Completion is required under authority of Part 127 Act 368 PA 1978  
 Failure to comply is a misdemeanor

PERMIT NO: 3928

1. LOCATION OF WELL  
 County **Jackson**

Township Name **Waterloo** Fraction **SE 1/4 SE 1/4 NW 1/4** Section No. **12** Town No. **T. 2 S.** Range No. **R. 2 E.**

Distance and Direction from Road Intersection  
**2/10 mi W. of Harvey Rd. & Loveland Rd.**  
**14900 Harvey Rd.**



3. OWNER OF WELL **Charlie & Ramona Stockton**  
 Address **14900 Harvey Rd.**  
**Grass Lk., MI 49240**  
 Address Same as Well Location  Yes  No

4. WELL DEPTH: **151** ft. Date Completed **11 7 / 97**  
 New Well  Replacement Well

5.  Cable Tool  Rotary  Driven  Dug  
 Hollow Rod  Auger/Bored  Jetted

6. USE:  Household  Type I Public  Type III Public  
 Irrigation  Type IIa Public  Heat Pump  
 Test Well  Type IIb Public

7. CASING:  Steel  Threaded  Welded  
 Plastic  Other **Glued**  
 Height: Above/Below Surface: **1** ft  
 Diameter: **5** in. to **128** ft. depth Weight: **2** lbs./ft.  
 BORE HOLE: Diameter: **8** in. to **128** ft. depth  
 Drive Shoe  Shale Packer

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sandy clay	14'	14'
Sand	12'	26'
Clay	18'	44'
Sand, gravel and clay	13'	57'
Clay	24'	81'
Sand, gravel and clay	42'	123'
Sandstone	4'	127'
Limestone	4'	131'
Hard sandstone	6'	137'
Sandstone	4'	141'
Hard sandstone	7'	148'
Sandstone	3'	151'

8. SCREEN:  Not Installed  Gravel-Packed  
 Type \_\_\_\_\_ Diameter \_\_\_\_\_  
 Slot/Gauze \_\_\_\_\_ Length: \_\_\_\_\_  
 Set Between \_\_\_\_\_ ft. and \_\_\_\_\_ ft.  
 FITTINGS:  K-Packer  Bremer Check  
 Blank Above Screen \_\_\_\_\_ ft. Other \_\_\_\_\_

9. STATIC WATER LEVEL: **36** ft. Below Land Surface  Flowing

10. PUMPING LEVEL: Below Land Surface **40** ft. After **1** hrs. Pumping at **20** G.P.M.  
 Plunger  Bailor  Air  Test Pump

11. WELL HEAD COMPLETION:  
 Pitless Adapter  12" Above Grade  
 Basement Offset  Well House

12. WELL GROUTED?  No  Yes From **0** to **127** ft.  
 Neat Cement  Bentonite  Other \_\_\_\_\_  
 No. of Bags **12** Additives **Quick-grout/Benseal**

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:  
 Type **s. tank** Distance **50** ft. Direction **N**  
 Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_

15. ABANDONED WELL PLUGGED?  Yes  No **Plugged lines.**  
 Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
 PLUGGING MATERIAL  Neat Cement  Bentonite Slurry  
 Cement/Bentonite Slurry  Concrete Grout  Bentonite Chips  
 No. of Bags **1/4** Casing Removed?  Yes  No

14. PUMP:  Not Installed  Pump Installation Only  
 Manufacturer's Name **Starite**  
 Model Number **20SP4E02J** HP **1** Volts **220**  
 Length of Drop Pipe **50** ft. Capacity **20** G.P. M.  
 TYPE:  Submersible  Jet  Other \_\_\_\_\_  
 PRESSURE TANK:  
 Manufacturer's Name **WellMate**  
 Model Number **WM-14WB** Capacity **14** Gallons **dd**

16. REMARKS: (Elevation, Source of Data, etc.)

18. WATER WELL CONTRACTOR'S CERTIFICATION:  
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
**FOX & BOLEY WELL DRILLING, INC.** 0167  
 REGISTERED BUSINESS NAME REGISTRATION NO.  
 Address **6655 Brooklyn Rd., Jackson, MI 49201**  
 Signed *Charles J. Boley* Date **11/28/97**  
 AUTHORIZED REPRESENTATIVE

17. DRILLING MACHINE OPERATOR:  
 Employee  Subcontractor  
 Name **M Wilson/J Boley**



RECEIVED  
 DEPARTMENT OF ENVIRONMENTAL QUALITY  
 NOV - 8 98  
 GROUND WATER SUPPLY SEC

14323 HARVEY

GEOLOGICAL SURVEY NO. [ ]

MICHIGAN DEPARTMENT OF PUBLIC HEALTH  
WATER WELL AND PUMP RECORD

8

[ ] [ ] [ ] 3176  
PERMIT NUMBER

**1 LOCATION OF WELL**

County: JACKSON Township Name: WATERLOO Fraction: NW 1/4 SE 1/4 SW 1/4 Section Number: 12 Town Number: 2 S Range Number: 2 E

Distance And Direction From Road Intersection: 14323 HARVEY GRASS LAKE 49240

Street Address & City of Well Location: 14311 HARVEY GRASS LAKE, MI 49240

Locate with "X" in Section Below

**3 OWNER OF WELL**  
Address: WILLIAM SULIMAN 14311 HARVEY GRASS LAKE, MI 49240  
Address Same As Well Location? NO

**4 WELL DEPTH:** 77 FT. Date Completed: 12/18/97 NEW WELL

**5 DRILLING METHOD:** ROTARY

**6 USE:** DOMESTIC

**7 CASING:** PLASTIC  
Diameter 5" to 67 ft. depth  
Diameter " to " ft. depth  
Grouted Drill Hole Diameter 9" to 60 ft. depth " to " ft. depth  
Height: ABOVE Surface 1' Weight SDR 21 Drive Shoe: NO

**8 SCREEN:** Type PVC Diameter 5" Nominal SLOT 12 Length 10 ft. Set Between 67 ft. and 77 ft. FITTINGS: Blank above screen ft.

**9 STATIC WATER LEVEL** 33 ft. below land surface Flow: NO

**10 PUMPING LEVEL:** below land surface 35 ft. after 2 hrs. pumping at 12 G.P.M. ft. after hrs. pumping at G.P.M.

**11 WELL HEAD COMPLETION:** PITLESS ADAPTOR

**12 WELL GROUTED? YES** BEN-SEAL From 0 to 60 ft. 6 bags of cement. Additives

**13 Nearest source of contamination** Type SEPTIC Distance 100 ft Direction NW Well disinfected upon completion? YES Was old well plugged?

**14 PUMP:** Manufacturers name RED JACKET Model number 75SESWI-12SBC HP 3/4 VOLTS 230V Length of Drop Pipe 65 ft. capacity 12 G.P.M. Type PRESSURE TANK: Manufacturers Name AMTROL Model Number MX 250 Capacity 13.2 Gallons

**2 FORMATION DESCRIPTION**

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
YELLOW GRAVEL	40	40
GRAY CLAY	8	48
SAND	29	77

**15. Remarks, elevation, source of data, etc.**  
700 #SAND

**16. WATER WELL CONTRACTOR'S CERTIFICATION:**  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
Cribley Drilling Co., Inc. 81-0524  
REGISTERED BUSINESS NAME REGISTRATION NO.  
Address 8300 Dexter Chelsea Rd. Dexter, MI 48130  
Signed *Jack A. Clark* Date 12/11/97  
AUTHORIZED REPRESENTATIVE

**17. Rig Operator's Name:** KURT WING

RECEIVED JAN 25 1998

RECEIVED  
MICHIGAN DEPARTMENT OF  
PUBLIC HEALTH  
DIVISION OF WELL QUALITY  
FEB 11 98  
DWR PD  
GROUND WATER SUPPLY

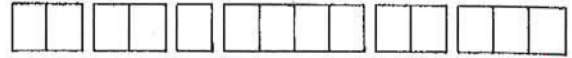
D67d 2/89 CDCH13465P17192 10/05/00

IMPORTANT: File with deed.

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978  
Completion: Required  
Penalty: Conviction of a violation  
of this act is a  
misdemeanor.





SEP 1 1970

**WATER WELL RECORD**  
ACT 294 PA 1965

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

10

**1 LOCATION OF WELL**

County Washtenaw Township Name Sylvan Fraction NW 1/4 NW 1/4 NW 1/4 Section Number 6 Town Number 2 N.S. Range Number 3 E/O.

Distance And Direction from Road Intersections  
Frontier Burns Coburns

Street address & City of Well Location  
Locate with "X" in section below Sketch Map:

5 OWNER OF WELL: Mich. Dept. Natural Resources  
Address Waterloo Recreation Area  
16345 McClaine Rd.  
Chelsea, MI 48118

4 WELL DEPTH: (completed) Date of Completion  
63 ft. Aug 13-70

6 USE:  Domestic  Public Supply  Industry  
 Irrigation  Air Conditioning  Commercial  
 Test Well

7 CASING: Threaded  Welded  Height: Above/Below Surface \_\_\_\_\_ ft.  
Diam. 2" 60 ft. Depth Weight 375 lbs./ft.  
2 in. to \_\_\_\_\_ ft. Depth Drive Shoe? Yes  No

8 SCREEN:  
Type: 12160 S/S Dia.: 1 1/4"  
Gauge \_\_\_\_\_ Length 33"  
Set between 60 ft. and 63 ft.  
Fittings: STANDARD

9 STATIC WATER LEVEL  
9' ft. below land surface

10 PUMPING LEVEL below land surface  
S/W ft. after \_\_\_\_\_ hrs. pumping 16 g.p.m.  
\_\_\_\_\_ ft. after \_\_\_\_\_ hrs. pumping \_\_\_\_\_ g.p.m.

11 WATER QUALITY in Parts Per Million:  
Iron (Fe) \_\_\_\_\_ Chlorides (Cl) \_\_\_\_\_  
Hardness \_\_\_\_\_ Other \_\_\_\_\_

12 WELL HEAD COMPLETION:  In Approved Pit  
 Pitless Adapter  12" Above Grade

13 Well Grouted?  Yes  No  
 Neat Cement  Bentonite \_\_\_\_\_  
Depth: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

14 Nearest Source of possible contamination  
\_\_\_\_\_ feet Direction UNKNOWN Type \_\_\_\_\_  
Well disinfected upon completion  Yes  No

15 PUMP:  Not installed  
Manufacturer's Name \_\_\_\_\_  
Model Number \_\_\_\_\_ HP \_\_\_\_\_ Volts \_\_\_\_\_  
Length of Drop Pipe \_\_\_\_\_ ft. capacity \_\_\_\_\_ G.P.M.  
Type:  Submersible  
 Jet  Reciprocating

**2 FORMATION**

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>Clayey Yellow SAND</u>	<u>8</u>	<u>8</u>
<u>Clean yellow wet sand</u>	<u>6</u>	<u>14</u>
<u>Clayey Yellow SAND</u>	<u>14</u>	<u>28</u>
<u>SANDY Gray Clay</u>	<u>8</u>	<u>36</u>
<u>Pulled pipe AT 42</u>		
<u>it was sprung</u>		
<u>Cemented Gray Sandstone (shot hole)</u>	<u>12</u>	<u>48</u>
<u>HARD Cemented Gray Sand Layers of GRAY Sandstone</u>	<u>6</u>	<u>54</u>
<u>HARD GRAY Clay</u>	<u>6</u>	<u>61</u>

16 Remarks, elevation, source of data, etc.

17 WATER WELL CONTRACTOR'S CERTIFICATION:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
Brown Drilling Co., Inc. - 26  
REGISTERED BUSINESS NAME REGISTRATION NO.  
Address 9215 M-59 - Howell  
Signed Harry R. Brown Date 8-28-70  
AUTHORIZED REPRESENTATIVE

USE A 2ND SHEET IF NEEDED

SEP 1 8 1970

11

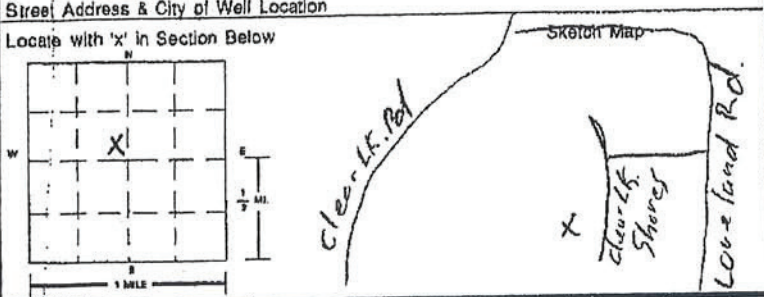
TAX NO:  
LOCATION OF WELL:  
County Jackson

MICHIGAN DEPARTMENT OF PUBLIC HEALTH  
WATER WELL AND PUMP RECORD

PERMIT NO:  
0718  
Township Name Waterloo Fraction SE 1/4 SE 1/4 NE 1/4 Section No. 1 Town No. 25 Range No. 2E

Distance and Direction from Road Intersection  
1/2 mi. W. of Loveland Rd.  
on the W. side of Clear Lk. Shores

3. OWNER OF WELL  
Address Giloung Darley  
4742 Clear Lk. Shores  
Address Same as Well Location  Yes  No



4. WELL DEPTH: 4 ft. Date Completed 2/28/95  
 New Well  Replacement Well  
5.  Cable Tool  Rotary  Driven  Dug  
 Hollow Rod  Auger/Bored  Jetted

6. USE:  Household  Type I Public  Type III Public  
 Irrigation  Type IIa Public  Heat Pump  
 Test Well  Type IIb Public  
7. CASING:  Steel  Threaded  Plastic  Welded  Other  
Height: Above/Below Surface: \_\_\_\_\_ ft.  
Diameter: \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth Weight: \_\_\_\_\_ lbs./ft.  
BORE HOLE:  
Diameter: \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 Drive Shoe  
 Shale Packer

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM

8. SCREEN:  Not Installed  Gravel-Packed  
Type \_\_\_\_\_ Diameter \_\_\_\_\_  
Slot/Gauze \_\_\_\_\_ Length: \_\_\_\_\_  
Set Between \_\_\_\_\_ ft. and \_\_\_\_\_ ft.  
FITTINGS:  K-Packer  Bremer Check  
 Blank Above Screen \_\_\_\_\_ ft. Other \_\_\_\_\_

RECEIVED  
MICH. DEPT. OF PUBLIC HEALTH  
MAY 26 95  
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH

9. STATIC WATER LEVEL: \_\_\_\_\_ ft. Below Land Surface  Flowing

10. PUMPING LEVEL: Below Land Surface \_\_\_\_\_ ft. After \_\_\_\_\_ hrs. Pumping at \_\_\_\_\_ G.P.M.  
 Plunger  Baller  Air  Test Pump

11. WELL HEAD COMPLETION:  
 Pitless Adapter  12" Above Grade  
 Basement Offset  Well House

12. WELL GROUTED?  No  Yes From \_\_\_\_\_ to \_\_\_\_\_ ft.  
 Neat Cement  Bentonite  Other \_\_\_\_\_  
No. of Bags \_\_\_\_\_ Additives \_\_\_\_\_

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:  
Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_  
Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_

15. ABANDONED WELL PLUGGED?  Yes  No  
Casing Diameter 4 in. Depth 18' ft.  
PLUGGING MATERIAL:  Neat Cement  Bentonite Slurry  
 Cement/Bentonite Slurry  Concrete Grout  Bentonite Chips  
No. of Bags 25 Casing Removed?  Yes  No

14. PUMP:  Not Installed  Pump Installation Only  
Manufacturer's Name Fleet & Walling  
Model Number 4F10005-005 HP 2 Volts 115  
Length of Drop Pipe 45 ft. Capacity 10 G.P.M.  
TYPE:  Submersible  Jet  Other  
PRESSURE TANK: Clayton Mark (2)  
Manufacturer's Name \_\_\_\_\_ Capacity 6 Gallons \_\_\_\_\_  
Model Number CM701

16. REMARKS: (Elevation, Source of Data, etc.)  
Pump stuck in old well

7. DRILLING MACHINE OPERATOR:  
 Employee  Subcontractor  
Name \_\_\_\_\_

15. WATER WELL CONTRACTOR'S CERTIFICATION:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
Matthews Pumps REGISTRATION NO. 0629  
Address 4601 Page Ave  
Signed Scott Mouchum Date 5-18-95  
AUTHORIZED REPRESENTATIVE



# WATER WELL AND PUMP RECORD

12

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

Well ID: 81000011809

Tax No: 06459-01JR03		Permit No: 20010551		County: Washtenaw		Township: Lyndon	
<b>Well ID: 81000011809</b> Elevation: Latitude: 42.33031414 Longitude: -84.13132592				Fraction: ¼ ¼ ¼		Section: 5	
				Town/Range: 01S 03E		French Claim: WSSN: 2038681	
Distance and Direction from Road Intersection: 200 FEET EAST OF LOVELAND RD; 7/10 MILE NORTH OF MCCLURE RD							
Well Name: 001							
Well Owner: Dept Of Nat Resources							
Well Address: MCCLURE ROAD CHELSEA MI				Owner Address: 16345 MCCLURE ROAD CHELSEA MI 48118			

Drilling Method: Rotary		Well Depth: 57.00 ft.		Well Use: Type II public		Pump Installed: Yes		Pump Installation only: No																																																							
Well Type: New		Date Completed: 5/21/1991		Casing Type: PVC plastic		Casing Joint: Unknown		Casing Diameter: 4.00 in. to 53.00 ft. depth																																																							
Bore Diameter 1: 8.75 in. to 91.50 ft. depth		Bore Diameter 2: 4.50 in. to 118.00 ft. depth		Bore Diameter 3:		Height: 1.50 ft. above grade		Casing Fitting: None																																																							
Static Water Level: 16.00 ft. Below Grade(Not Flowing) Yield Test Method: Air Measurement Taken During Pump Test: 30.00 ft. after 0.50 hrs. pumping at 50.00 GPM				Pump Installation date: Manufacturer: Baker Monitor Model Number: UNKNOWN Length of Drop Pipe: 0.00 ft. Diameter of Drop Pipe: Draw Down Seal Used: No		HP: Unknown Pump Type: Hand Pump Capacity: Id of Well:																																																									
Abandoned Well Plugged: No Reason for not plugging Well: Abandoned well ID:				Pressure Tank Installed: No Pressure Tank Type: Manufacturer: Model Number : Pressure Relief Valve Installed : No		Tank Capacity : Gallons																																																									
Screen Installed: No Filter Packed: Screen Diameter: Screen Material Type: Slot: Blank: Fittings:				Well Intake: Bedrock Well Length:		<table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Topsoil</td><td>2.00</td><td>2.00</td></tr> <tr><td>Brown Clay</td><td>4.00</td><td>6.00</td></tr> <tr><td>Sand</td><td>12.00</td><td>18.00</td></tr> <tr><td>Gray Clay</td><td>26.00</td><td>44.00</td></tr> <tr><td>Gravel</td><td>5.00</td><td>49.00</td></tr> <tr><td>Sandstone</td><td>59.00</td><td>108.00</td></tr> <tr><td>Limestone</td><td>6.00</td><td>114.00</td></tr> <tr><td>Sandstone</td><td>4.00</td><td>118.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>				Formation Description	Thickness	Depth to Bottom	Topsoil	2.00	2.00	Brown Clay	4.00	6.00	Sand	12.00	18.00	Gray Clay	26.00	44.00	Gravel	5.00	49.00	Sandstone	59.00	108.00	Limestone	6.00	114.00	Sandstone	4.00	118.00																											
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Well Grouted: Yes No. of Bags: 1 Grouting Materials: Bentonite slurry Well Head Completion: 12 inches above grade, Other				Grouting Method: Unknown Additives: None From 0.00 ft. to 91.00 ft.		Geology Remarks:																																																									
Nearest source of possible contamination: Type: Outhouse/Privy Distance Direction: 100.00 ft. South				Contractor Type: Water well drilling contractor Registration Number: 1686 Business Name: HART WELL DRLG OC Business Address:		<b>WATER WELL CONTRACTOR'S CERTIFICATION:</b> This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.																																																									
Drilling Machine Operator Name: CRIBLEY DRILLING CO., INC Employment: Employee				Signature of Registered Representative		Date																																																									

General Remarks: EMPLOYEE: J BOISE  
 OTHER REMARKS Well Head Completion: Source Type 2: OLD WATER WELL

EQP 2017C (2/2000)

**ATTENTION WELL OWNER: FILE WITH DEED**

9/4/2002 09:11





# WATER WELL AND PUMP RECORD

13

Completion is required under authority of Part 127 Act 368 PA 1978.

Well ID: 81000002872

Failure to comply is a misdemeanor.

Import ID: 81727306001

Tax No: 81060620001		Permit No:		County: Washtenaw		Township: Sylvan	
<b>Well ID: 81000002872</b> Elevation: 985 ft Latitude: 42.3334121284 Longitude: -84.1296227878		Fraction: SW¼ NW¼ NW¼		Section: 6	Town/Range: 02S 03E	French Claim:	WSSN:
		Distance and Direction from Road Intersection: END OF PICNIC AREA RD					
		Well Name:					
Well Owner: Mdnr Waterloo Rec Area							
Well Address: 16345 MCCLURE RD CHELSEA MI 48118				Owner Address: 16345 MCCLURE RD CHELSEA MI 48118			

Drilling Method: Hollow rod		Pump Installed: No		Pump Installation only: No	
Well Depth: 63.00 ft.		Well Use: Other		Pump Installation date:	
Well Type: Replacement		Date Completed: 8/13/1970		Manufacturer:	
Casing Type: Unknown		Casing Joint: Threaded & coupled		Model Number:	
Diameter: 2.00 in. to 60.00 ft. depth		Bore Diameter 1:		Length of Drop Pipe:	
Bore Diameter 2:		Bore Diameter 3:		Diameter of Drop Pipe:	
Height: 0.00 ft. above grade		Casing Fitting: Drive shoe		Draw Down Seal Used: No	
Static Water Level: 9.00 ft. Below Grade(Not Flowing)		Yield Test Method: Unknown		Pressure Tank Installed: No	
Measurement Taken During Pump Test:		0.00 ft. after 0.00 hrs. pumping at 16.00 GPM		Pressure Tank Type:	
Abandoned Well Plugged: No		Reason for not plugging Well:		Manufacturer:	
Abandoned well ID:		Screen Installed: Yes		Well Intake:	
Filter Packed: No		Screen Diameter: 1.25 in.		Length: 3.00 ft.	
Screen Material Type:		Slot: 0.00 in. Set Between 60.00 ft. and 63.00 ft.		Blank: 0.00 ft. Above	
Fittings: Other		Well Grouted: No		Grouting Method:	
No. of Bags:		Additives:		Geology Remarks: 1. [CLAYEY YELLOW SAND] [8] [8] 2. [CLEAN YELLOW WET SAND] [14] [6] 3. [CLAYEY YELLOW SAND] [28] [14] 4. [SANDY GRAY CLAY] [36] [8] 5. [SANDSTONE (SHOT HOLE)] [48] [12] 6. [HARD CEMENTED GRAY SAND] [54] [6] 7. [LAYERS OF GRAY SANDSTONE] [55] [1] 8. [HARD GRAY CLAY] [61] [6]	
Grouting Materials:		Well Head Completion: Unknown		Contractor Type: Unknown	
Nearest source of possible contamination:		Type		Registration Number: 26	
Unknown		Distance Direction		Business Name:	
Unknown		0.00 ft.		Business Address:	
Drilling Machine Operator Name:		WATER WELL CONTRACTOR'S CERTIFICATION:			
Employment: Unknown		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.			
General Remarks:		Signature of Registered Representative		Date	
OTHER REMARKS		Well Use: Public Well Type Unknown		Screen Fittings: Type Unknown	

EQP 2017C (2/2000)

**ATTENTION WELL OWNER: FILE WITH DEED**

2/18/2000 21:04