

DEC 10 1979

WATER WELL RECORD

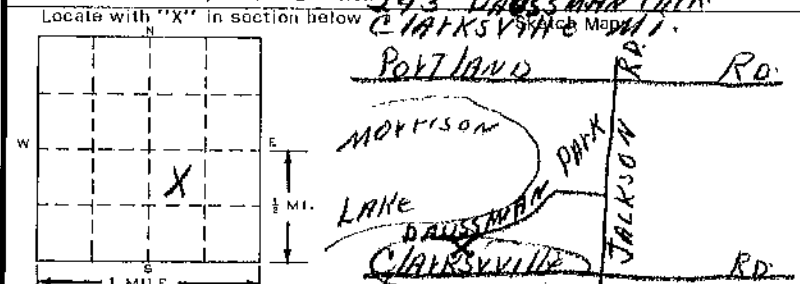
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County IONIA Township Name BOSTON Fraction 1/4 NW 1/4 SE 1/4 Section Number 36 Town Number 6 N 1/2 Range Number 8 E 1/2

Distance And Direction from Road Intersections
OF Goodenote Rd. 1.6 MI. S. OF PORTLAND
RD. AT BOUSSMAN PARK LANDING. MORRISON
LA. WEST SIDE OF JACKSON RD.
 Street address & City of Well Location 293 BOUSSMAN PARK
CLARKSVILLE MI.



3 OWNER OF WELL:

RON HAUSSEYMAN
 Address 976 W. G.D. RV. AVE.
IONIA, MI.

4 WELL DEPTH: (completed) Date of Completion

148 ft. 11-5-79

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☒ Height: Above/Below

Diam. 4 in. to 144 ft. Depth

Weight 16.22 lbs./ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Stainless Steel Dia.: 4"

Slot/Gauge 15 Length 4'

Set between 144 ft. and 148 ft.

Fittings: 3" Plug. 3"x6" NIPP. K Packet

9 STATIC WATER LEVEL

2 ft. below land surface

10 PUMPING LEVEL below land surface

10 ft. after 2 hrs. pumping 20 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 ☐ CLAY SHUPLY

Depth: From 0 ft. to 30 ft.

14 Nearest Source of possible contamination

55 feet S Direction SEPTIC Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name FLINT & WALLING

Model Number 58A8 HP 1/2 Volts 230

Length of Drop Pipe 35 ft. capacity 10 G.P.M.

Type: ☒ Submersible

☐ Jet

☐ Reciprocating

2 FORMATION Geologic

CLAY 69' 69'

SAND w. CLAY WATER bfg. 3' 72'

CLAY WITH STREAKS OF

HARD PAN 71' 143'

SAND & GRAVEL w. bfg. 5' 148'

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY

**ADDITION BY

ELEVATION

DEPTH TO ROCK

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.

JAY SWIGER Well Drg. 0047

REGISTERED BUSINESS NAME REGISTRATION NO.

Address 10332 PORTLAND RD.

Signed Jay Swiger Date 11-5-79

AUTHORIZED REPRESENTATIVE

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County Ionia	Township Name Emmett Boston	Fraction SW¹/₄ NW¹/₄ SE¹/₄	Section Number 36
		Town Number 6	Range Number 8
Distance And Direction From Road Intersection Well located $\frac{1}{4}$ mile N. of Goodemoote Rd. and $\frac{1}{2}$ mile W. of Jackson Rd. on Dausman Land		Address 300 Dausman Landing Clarksville, Mi. 48815 Address Same As Well Location? ☒ Yes ☐ No	
Street Address & City of Well Location Locate with "X" in Section Below		4 WELL DEPTH: (completed) 197 ft. Date of Completion 2-18-87	
Sketch Map: 		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
2 FORMATION DESCRIPTION		7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded	
		Height: Above/Below Surface 1 ft. Weight SDR-21 lbs./ft. Drive Shoe ☐ Yes ☒ No	
THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM	
Clay		21 71	
Clay and Gravel		14 85	
Clay		39 124	
Clay streaks and clay & gravel		41 165	
Shale		18 183	
Sand Stone		14 197	
		8 SCREEN: Rock well ☒ Not installed	
		Type _____ Diameter _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other _____	
		9 STATIC WATER LEVEL: 12 ft. below land surface ☐ Flow	
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 188 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____	
		13 Nearest source of possible contamination Type Sewer line distance 45 ft. Direction W. Well disinfected upon completion? ☒ Yes ☐ No	
		14 PUMP: ☐ Not installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model 50CINW1-CN9BC HP 1/2 Volts 230 Length of Drop Pipe 80 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK. Manufacturer's name Amtrol Model number W-X 203 Capacity _____ Gallons	
15. Remarks, elevation, source of data, etc.		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. G.L. Seese Well Drllg. 34-1183,1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed Timothy Seese Date 2-27-87 AUTHORIZED REPRESENTATIVE	

WATER WELL AND PUMP RECORD

PERMIT NUMBER

7869

1 LOCATION OF WELL			County <u>IONIA</u>		Township Name <u>BOSTON</u>		Fraction <u>1/4</u> <u>1/4</u> <u>1/4</u>		Section Number <u>36</u>		Town Number <u>6</u> <u>N/S</u>		Range Number <u>8</u> <u>E/W</u>																																																							
Distance And Direction From Road Intersection <u>Lot 22, Sam Dausman Park</u>																																																																				
Street Address & City of Well Location Locate with "X" in Section Below																																																																				
Sketch Map:																																																																				
3 OWNER OF WELL: <u>Mr. Darryl Kesler</u> <u>4701 N. Grand River</u> <u>Lansing 48906</u>																																																																				
Address Same As Well Location? ☐ Yes ☒ No																																																																				
4 WELL DEPTH: (completed) <u>560</u> ft. Date of Completion <u>6-21-85</u>																																																																				
5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐																																																																				
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐																																																																				
7 CASING: ☒ Steel ☐ Threaded ☐ Welded ☐ Plastic ☐ Diameter <u>4</u> in. to <u>274</u> ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☒ Yes ☐ No																																																																				
8 SCREEN: ☒ Not Installed Type _____ Diameter _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Brammer Check ☐ Blank above screen _____ ft. Other _____																																																																				
9 STATIC WATER LEVEL: <u>19</u> ft. below land surface ☐ Flow																																																																				
10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at <u>50</u> G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																																																																				
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit																																																																				
12 WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>274</u> ft. ☐ Neat cement ☒ Bentonite ☒ Other <u>cuttings</u> No. of bags of cement _____ Additives _____																																																																				
13 Nearest source of possible contamination Type _____ Distance _____ ft. Direction _____																																																																				
Well disinfected upon completion? ☒ Yes ☐ No																																																																				
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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. <u>DYER WELL DRILLING & SERVICE</u> <u>0418</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>12520 Peacock Rd., Laingsburg 48848</u> Signed <u>B. Allen Dyer</u> Date <u>6-27-85</u> AUTHORIZED REPRESENTATIVE																																																																				

WATER WELL AND PUMP RECORD

PERMIT NUMBER

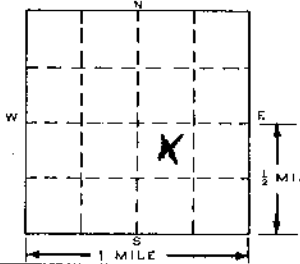
8944

1 LOCATION OF WELL		3 OWNER OF WELL:																			
County <u>IONIA</u>	Township Name <u>Boston</u>	Fraction <u>1/4 NW 1/4 SE 1/4</u>	Section Number <u>36</u>																		
		Town Number <u>6 N 3</u>	Range Number <u>8 E W</u>																		
Distance And Direction From Road Intersection <u>APPROX. .5 OF A MILE WEST OF JACKSON RD ON N. SIDE OF DAUSMAN PARK RD. WHICH IS BETWEEN PORTLAND & GOODAMOTE RD OFF JACKSON RD</u> Street Address & City of Well Location <u>PORTLAND</u> Sketch Map: <u>RD</u>		Address <u>SUSIE SCHWARTZMAN</u> <u>257 DAUSMAN PARK</u> <u>SARANAC, MI</u> Address Same As Well Location? ☒ Yes ☐ No																			
Locate with "X" in Section Below 		4 WELL DEPTH: (completed) <u>118</u> ft. Date of Completion <u>10-19-87</u> 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐																			
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7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface <u>1</u> ft. <u>5</u> in. to <u>111</u> ft. depth Weight: <u>SPR 21</u> lbs./ft. <u> </u> in. to <u> </u> ft. depth Drive Shoe ☐ Yes ☒ No <u> </u> in. to <u> </u> ft. depth <u> </u> in. to <u> </u> ft. depth																					
		8 SCREEN: ☐ Not Installed Type <u>STAINLESS</u> Diameter <u>4"</u> Slot/Gauge <u>10</u> Length <u>4"</u> Set between <u>114</u> ft. and <u>118</u> ft. FITTINGS: ☒ R-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen <u>1</u> ft. Other <u> </u>																			
		9 STATIC WATER LEVEL: <u>1</u> ft. below land surface ☐ Flow																			
		10 PUMPING LEVEL: below land surface <u>1</u> ft. after <u>2</u> hrs. pumping at <u>50</u> G.P.M. <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M.																			
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit																			
		12 WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>40</u> ft. ☐ Neat cement ☒ Bentonite ☐ Other <u> </u> No. of bags of cement <u> </u> Additives <u> </u>																			
		13 Nearest source of possible contamination <u>PUMP SEWER</u> Type <u> </u> Distance <u> </u> ft. Direction <u> </u> Well disinfected upon completion? ☒ Yes ☐ No																			
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <u>RED SACKET</u> Model number <u>300WT-9BC</u> HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>30</u> ft. capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: <u>ALREADY INSTALLED</u> Manufacturer's name <u> </u> Model number <u> </u> Capacity <u> </u> Gallons																			
15. Remarks, elevation, source of data, etc. RECEIVED FEB 03 1988 IONIA COUNTY HEALTH DEPT.		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. <u>JAY SWICKER WELL DRILLING</u> REGISTERED BUSINESS NAME <u>1576 TASKER RD LAKE ODessa</u> Address <u> </u> Signed <u>Jay Swicker</u> Date <u>10-30-87</u> AUTHORIZED REPRESENTATIVE																			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

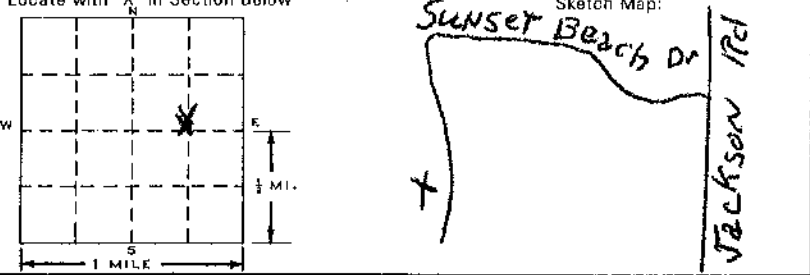
12359

1 LOCATION OF WELL		2 FORMATION DESCRIPTION		3 OWNER OF WELL	
County IONIA	Township Name BOSTON	Fraction SE 1/4	Section Number 36	Town Number 60	Range Number N/S
Distance And Direction From Road Intersection 1/2 M.R SW OF JACKSON 100' WEST OF DAUSMAN PK		Address 282 DAUSMAN PK CLARKSVILLE			
Street Address & City of Well Location		Address Same As Well Location? ☒ Yes ☐ No			
Locate with "X" in Section Below		4 WELL DEPTH: 122 FT.			
Sketch Map:		Date Completed MO. DAY YEAR			
		☐ Now Well ☐ Replacement Well			
		5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☒ Jetted ☐			
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
		7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐ Height Above/Below Surface 1 ft. Diameter 4 in. to 117 ft. depth Weight 11 lbs./ft. Grouted Drill Hole Diameter 117 in. to 122 ft. depth Drive Shoe ☒ Yes ☐ No			
		8 SCREEN ☐ Not Installed Type PVC Diameter 3" Slot/Groove 10 Length 5' Set between 117 ft. and 122 ft. FITTINGS: ☒ K-Packer ☐ Load Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other			
		9 STATIC WATER LEVEL: ☒ Flow			
		10 PUMPING LEVEL: below land surface ft. after hrs. pumping at G.P.M. ft. after hrs. pumping at G.P.M.			
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit			
		12 WELL GROUTED? ☐ No ☒ Yes From to ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement 3 BAGS Additives BENTONITE			
		13 Nearest source of possible contamination Type SEWER LINE Distance 20 ft. Direction NORTH Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No			
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number _____ HP 1/2 Volts 220 Length of Drop Pipe 44 ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name _____ Model number _____ Capacity _____ Gallons			
15. Remarks, elevation, source of data, etc.		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. Shepard Well Drilling 1932 REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____ Address 10012 STATE LAKE OHSSA Signed Randy Shepard Date 10-10-93 AUTHORIZED REPRESENTATIVE			
17. Rig Operator's Name: Randy Shepard					

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

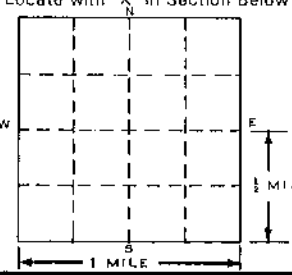
PERMIT NUMBER

1 LOCATION OF WELL		2 FORMATION DESCRIPTION		3 OWNER OF WELL	
County Ionia	Township Name Boston	Fraction SE 1/4 SW 1/4 NE 1/4	Section Number 36	Town Number 6 N 8	Range Number 8 EAW
Distance And Direction From Road Intersection Well located 1/4 mile W. of Jackson Rd. and 30' W. of Sunset Beach Dr.		3 OWNER OF WELL: Ronald Lennaman Address 1161 W. Grand River Portland, Mi. 48875 Address Same As Well Location? ☐ Yes ☒ No			
Street Address & City of Well Location 185 Sunset B. Saranac		4 WELL DEPTH: Date Completed MO. DAY YEAR 5 23 87 51 FT. ☒ New Well ☒ Replacement Well			
Locate with "X" in Section Below 		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐			
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
		7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Height: Above/Below XXX Surface 1 ft. Weight SDR-21 lbs./ft. Drive Shoe ☐ Yes ☒ No			
		8 SCREEN: ☐ Not Installed Type Stainless S Diameter 4" Slot/Groove 10 Length 4' Set between 47 ft. and 51 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other _____			
		9 STATIC WATER LEVEL: 3 ft. below land surface ☐ Flow			
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.			
RECEIVED OCT 03 1987 IONIA COUNTY HEALTH DEPT. RECEIVED Mich. Dept. of Public Health OCT 26 1987 Bureau of Environmental and Occupational Health - GWOS USE A 2ND SHEET IF NEEDED		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit			
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 47 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____			
		13 Nearest source of possible contamination Type Sewer L. Distance 5 ft. Direction 35 Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No			
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model number 300CNW1-CN9BC HP 1/2 Volts 230 Length of Drop Pipe 20 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: _____ Manufacturer's name existing Model number _____ Capacity _____ Gallons			
15. Remarks, elevation, source of data, etc.		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. G.L. Seese & Sons Well Drlg. 34-1183, 1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed Gerald Seese Date 10-3-87 AUTHORIZED REPRESENTATIVE			
17. Rig Operator's Name: Timothy Seese					

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1608

1 LOCATION OF WELL		3 OWNER OF WELL:																																		
County Ionia	Township Name Boston	Fraction 1/4 1/4 1/4	Section Number 36																																	
		Town Number 6	Range Number 8 N/2 E/W																																	
Distance And Direction From Road Intersection Platted Sub S/W Side Morrison Lake		Address Ben Novella 123 W. Cavanaugh Lansing																																		
Street Address & City of Well Location		Address Same As Well Location? ☐ Yes ☒ No																																		
Locate with "X" in Section Below 		Date Completed 06 19 92																																		
Sketch Map:		☒ New Well ☐ Replacement Well																																		
		4 WELL DEPTH: 273 FT.																																		
		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐																																		
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐																																		
		7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic Diameter 4 in. to 203 ft. depth 2 in. to 273 ft. depth Grouted Drill Hole Diameter in. to ft. depth in. to ft. depth																																		
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;">FORMATION DESCRIPTION</th> <th style="width:10%;">THICKNESS OF STRATUM</th> <th style="width:10%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr><td>Sandy Clay</td><td>15</td><td>15</td></tr> <tr><td>Clay</td><td>44</td><td>59</td></tr> <tr><td>Cemented Gravel</td><td>14</td><td>73</td></tr> <tr><td>Muddy Gravel</td><td>2</td><td>75</td></tr> <tr><td>HARD Pan</td><td>46</td><td>121</td></tr> <tr><td>Clay and Gravel</td><td>31</td><td>152</td></tr> <tr><td>Red Clay</td><td>51</td><td>203</td></tr> <tr><td>Lime Stone</td><td>15</td><td>218</td></tr> <tr><td>Shale Blue</td><td>35</td><td>253</td></tr> <tr><td>Sandstone</td><td>20</td><td>273</td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Sandy Clay	15	15	Clay	44	59	Cemented Gravel	14	73	Muddy Gravel	2	75	HARD Pan	46	121	Clay and Gravel	31	152	Red Clay	51	203	Lime Stone	15	218	Shale Blue	35	253	Sandstone	20	273	Height: Above 273 ft. Surface 1 ft. Weight 1100 lbs./ft. Drive Shoe ☒ Yes ☐ No	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																																
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8 SCREEN: ☒ Not Installed Type STAINLESS Diameter _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. FITTINGS: ☐ K-Packer ☐ Load Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other _____																																				
9 STATIC WATER LEVEL: _____ ft. below land surface ☐ Flow																																				
10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																																				
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13 Nearest source of possible contamination Type Central Sewage _____ ft. Direction _____ Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No																																				
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name McDonald Model number _____ HP 1/2 Volts 220 Length of Drop Pipe 40 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Well-Mate Model number WM-6 Capacity 40 Gallons																																				
15. Remarks, elevation, source of data, etc. Mike K. Mikey		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. A.B. Heaton & sons 0346 REGISTERED BUSINESS NAME Address 3741 E. Belding Rd. Signed A.B. Heaton AUTHORIZED REPRESENTATIVE Date June 22, 1992 REGISTRATION NO. Belding, MI 48809																																		
17. Rig Operator's Name:																																				

USE A 2ND SHEET IF NEEDED

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

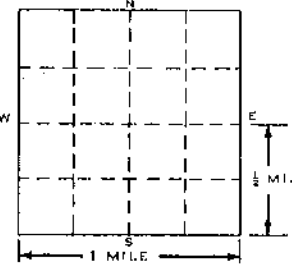
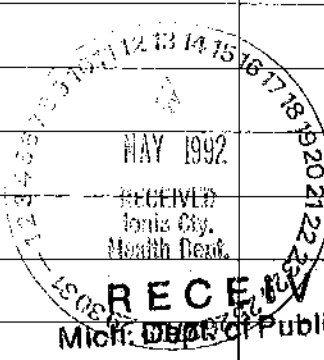
1/607
PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL																																		
County Tonia	Township Name Boston	Fraction 1/4 1/4 1/4	Section Number 36 Town Number 6 N/S Range Number 8 E/W																																	
Distance And Direction From Road Intersection Platted Sub S/E Morrison Lk Street Address & City of Well Location 717 Wildwood Pk		Address Peter Jackson 568 Armstrong Lansing Address Same As Well Location? ☐ Yes ☒ No																																		
Locate with "X" in Section Below 		4 WELL DEPTH: 47 FT. Date Completed 6 MAY 1992 ☒ New Well ☐ Replacement Well																																		
2 FORMATION DESCRIPTION <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">FORMATION DESCRIPTION</th> <th style="width: 20%;">THICKNESS OF STRATUM</th> <th style="width: 20%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr><td>Clay</td><td>20</td><td>20</td></tr> <tr><td>Sand</td><td>14</td><td>34</td></tr> <tr><td>Clay</td><td>4</td><td>38</td></tr> <tr><td>Water Sand</td><td>9</td><td>47</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 OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	20	20	Sand	14	34	Clay	4	38	Water Sand	9	47																			5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
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6 USE: ☒ Domestic ☐ Type I Public ☐ Type II Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐		7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐																																		
8 SCREEN: ☐ Not Installed Type Stainless Diameter 3" Slot/Size 10 Length 4' Set between 43 ft. and 47 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other _____		9 STATIC WATER LEVEL: 7 ft. below land surface ☐ Flow																																		
10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☒ Basement offset ☐ Approved pit																																		
12 WELL GROUTED? ☐ No ☐ Yes From _____ to _____ ft. ☐ Neat cement ☐ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____		13 Nearest source of possible contamination Type Sewer Line Distance 50 ft. Direction _____ Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No																																		
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name McDonald Model number _____ HP 1/2 Volts 120 Length of Drop Pipe 20 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Well-X-Trol Model number WX-202 UG Capacity 40 Gallons		15. Remarks, elevation, source of data RECEIVED JUN 1992 RECEIVED Health Dept. RECEIVED Mich. Dept. of Public Health JUL 2 1992																																		
17. Rig Operator's Name: _____		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. A. B. Henton & Sons Registered Business Name Address Belding Rd Belding Signed R. L. Henton Date 6/8/92 AUTHORIZED REPRESENTATIVE 0346 REGISTRATION NO.																																		

WATER WELL AND PUMP RECORD

PERMIT NUMBER

11459

1 LOCATION OF WELL		3 OWNER OF WELL:																			
County IONIA	Township Name BOSTON	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section Number 36																		
Distance And Direction From Road Intersection 250' E. OF MORRISON LK. RD		Town Number 6 N/S																			
Street Address & City of Well Location BEECHWOOD DR.		Range Number 7 E/W																			
Locate with "X" in Section Below 		Address 60 MORRISON LK. GARDENS SARANAC MI 49881 Address Same As Well Location? ☐ Yes ☒ No																			
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;">FORMATION DESCRIPTION</th> <th style="width:10%;">THICKNESS OF STRATUM</th> <th style="width:10%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr><td>RED CLAY</td><td>14</td><td>14</td></tr> <tr><td>GREY CLAY</td><td>31</td><td>45</td></tr> <tr><td>CLAY GRAVEL MIX</td><td>20</td><td>65</td></tr> <tr><td>CLAY</td><td>8</td><td>73</td></tr> <tr><td>SAND w/ WATER</td><td>25</td><td>98</td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	RED CLAY	14	14	GREY CLAY	31	45	CLAY GRAVEL MIX	20	65	CLAY	8	73	SAND w/ WATER	25	98	4 WELL DEPTH: 98 FT. Date Completed 4/21/92 ☒ New Well ☐ Replacement Well 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jotted ☐	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																	
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CLAY GRAVEL MIX	20	65																			
CLAY	8	73																			
SAND w/ WATER	25	98																			
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐																					
7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface 1 ft. 5 in. to 89 ft. depth 8 in. to 60 ft. depth Grouted Drill Hole Diameter 8 in. to 60 ft. depth Drive Shoe ☐ Yes ☒ No																					
8 SCREEN: ☐ Not Installed Type STAINLESS Diameter 3" Slot/Gauge 18 Length 9' Set between 89 ft. and 98 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bromor Check ☐ Blank above screen _____ ft. Other ON END																					
9 STATIC WATER LEVEL: 30 ft. below land surface ☐ Flow		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																			
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 2" above grade ☐ Basement offset ☐ Approved pit		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 60 ft. ☐ Neat cement ☐ Bentonite ☒ Other BEH SEAL No. of bags of cement _____ Additives POLMER																			
13 Nearest source of possible contamination Type SEWER Distance 50 ft. Direction NORTH Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name RED JACKET Model number 18 GPM HP 3/4 Volts 230 Length of Drop Pipe 60 ft. capacity 18 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name WELL-KTROL Model number 302 Capacity 80 Gallons																			
15. Remarks, elevation, source of data, etc. 		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. CONNOR WELL DRILLING 1762 REGISTERED BUSINESS NAME REGISTRATION NO. Address 4350 NORDIN'S BELPING MI. Signed Pat O'Connor Date 5-12-92 AUTHORIZED REPRESENTATIVE																			
17. Rig Operator's Name: ROB GREGORY		Authority: Act 368 PA 1978 Completion: Required Penalty: Conviction of a violation of any provision is a misdemeanor.																			

WATER WELL AND PUMP RECORD

			1	1	6	1	1
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PERMIT NUMBER

1 LOCATION OF WELL		Township Name		Fraction	Section Number	Town Number	Range Number
County Ionia		Boston		$\frac{1}{4}$	$\frac{1}{4}$	36	6 N/xx 8 xxW
Distance And Direction From Road Intersection				3 OWNER OF WELL:			
Well located at 401 Breezy Pt.				Anthony Saenz			
Morrison Lake, Clarksville				Address 2455 N. Aurelius ,Apt.C7			
Street Address & City of Well Location				Holt, Mi. 48842			
Locate with "X" in Section Below				Address Same As Well Location? ☐ Yes ☒ No			
Sketch Map:				4 WELL DEPTH: Date Completed			
				MO. DAY YEAR 29 FT. 6 25 92 ☒ New Well ☒ Replacement Well			
2 FORMATION DESCRIPTION				5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug			
				☐ Hollow rod ☐ Auger ☐ Jetted ☐			
THICKNESS OF STRATUM				6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public			
				☐ Irrigation ☐ Type IIa Public ☐ Heat pump			
DEPTH TO BOTTOM OF STRATUM				7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded			
				Height: Above XXXX Surface 1 ft.			
Clay				5 in. to 25 ft. depth			
Sand				25 in. to 25 ft. depth			
				Grouted Drill Hole Diameter			
				7 7/8 in. to 25 ft. depth			
				8 SCREEN: ☐ Not Installed			
				Type Stainless S. Diameter 4"			
				Slot xxx 10 Length 4'			
				Set between 25 ft. and 29 ft.			
				FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Brainer Check			
				☒ Blank above screen 1 ft. Other			
				9 STATIC WATER LEVEL:			
				2' ft. below land surface ☐ Flow			
				10 PUMPING LEVEL: below land surface plunger			
				2' ft. after 1 hrs. pumping at 15 G.P.M.			
				ft. after hrs. pumping at G.P.M.			
				11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade			
				☐ Basement offset ☐ Approved pit			
				12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft.			
				☐ Neat cement ☒ Bentonite ☐ Other			
				No. of bags of cement Additives			
				13 Nearest source of possible contamination			
				Type SewerL. Distance 14 ft. Direction S.			
				Well disinfected upon completion? ☒ Yes ☐ No			
				Was old well plugged? ☐ Yes ☒ No Can't be found			
				14 PUMP: ☐ Not Installed ☐ Pump Installation Only			
				Manufacturer's name Myers			
				Model number 2N52-10 HP 1 Volts 230			
				Length of Drop Pipe 20'-1" capacity 12 G.P.M.			
				TYPE: ☒ Submersible ☐ Jet			
				PRESSURE TANK:			
				Manufacturer's name Myers Structural Fiber			
				Model number WM-0HG Capacity Gallons			
15. Remarks, elevation, source of data, etc.				16. WATER WELL CONTRACTOR'S CERTIFICATION:			
RECEIVED Mich. Dept. of Public Health JUL 17 1992				This well was drilled under my jurisdiction and this report is true			
				to the best of my knowledge and belief.			
17. Rig Operator's Name:				G.L. Seese & Sons Well Drilling 34-1183			
Gerald Seese				Address Clarksville, Mi. 48815			
				Signed Gerald Seese Date 6-25-92			
				AUTHORIZED REPRESENTATIVE			

USE A 2ND SHEET IF NEEDED

 BUREAU OF ENVIRONMENTAL AND
 OCCUPATIONAL HEALTH-GW-26

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
Ionia		Boston		1/4		1/4		36		6		N/Sx 8 E/W	
Distance And Direction From Road Intersection				3 OWNER OF WELL:									
Platted sub Morrison Lake				Stev Kryover 206 Sunset Beach Lake Odessa									
Street Address & City of Well Location				Address Same As Well Location? ☐ Yes ☐ No									
Locate with "X" in Section Below				4 WELL DEPTH: Date Completed									
Sketch Map:				16 1/2 ft. 11 19 91 ☒ New Well ☐ Replacement Well									
				☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐									
2 FORMATION DESCRIPTION				8 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public									
THICKNESS OF STRATUM				☐ Irrigation ☐ Type IIa Public ☐ Heat pump									
DEPTH TO BOTTOM OF STRATUM				☐ Test Well ☐ Type IIb Public ☐									
Clay				7 CASING: ☒ Steel ☐ Threaded ☐ Welded									
Sand				4 in. to 160 ft. depth									
Clay Sand				3 in. to 164 ft. depth									
Clay				Grouted Drill Hole Diameter									
Water Sand				4 in. to 164 ft. depth									
				8 SCREEN: ☐ Not Installed									
				Type Stainless Diameter 3"									
				Slot/Gauge 12 Length 4'									
				Set between 160 ft. and 164 ft.									
				FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check									
				☒ Blank above screen 1 ft. Other									
				9 STATIC WATER LEVEL: 25 ft. below land surface ☐ Flow									
				10 PUMPING LEVEL: below land surface									
				ft. after hrs. pumping at G.P.M.									
				ft. after hrs. pumping at G.P.M.									
				11 WELL HEAD COMPLETION: ☐ Pitless adapter ☐ 12" above grade									
				☐ Basement offset ☐ Approved pit									
				12 WELL GROUTED? ☐ No ☐ Yes From to ft.									
				☐ Neat cement ☐ Bentonite ☐ Other									
				No. of bags of cement Additives									
				13 Nearest source of possible contamination									
				Type Central Distance ft. Direction									
				Well disinfected upon completion? ☒ Yes ☐ No									
				Was old well plugged? ☐ Yes ☐ No									
				14 PUMP: ☐ Not Installed ☐ Pump Installation Only									
				Manufacturer's name Fairbanks									
				Model number HP 1 Volts 220									
				Length of Drop Pipe 60 ft. capacity 20 G.P.M.									
				TYPE: ☒ Submersible ☐ Jet									
				PRESSURE TANK: Manufacturer's name well-mate									
				Model number WH-35 Capacity 120 Gallons									
15. Remarks, elevation, source of data, etc.				16. WATER WELL CONTRACTOR'S CERTIFICATION:									
APR 2 1992				This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.									
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH				A.B. Heaton & sons									
17. Rig Operator's Name: George				REGISTRATION NO. 0346									
				Address 3541 East Belding Rd. Belding 48809									
				Signed [Signature] Date November 22, 1991									
				AUTHORIZED REPRESENTATIVE									

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 2 2 3 9

1 LOCATION OF WELL		3 OWNER OF WELL: Pat Meyers													
County Ionia	Township Name Boston	Fraction SE 1/4 SW 1/4 NW 1/4	Section Number 36												
		Town Number 6	Range Number 8												
Distance And Direction From Road Intersection Well located 1/4 mile E. of Morrison Lake Rd. and 100' W. of Paradise Pk.		Address 772 Paradise Pk. Saranac, Mi. 48881													
Street Address & City of Well Location 772 Paradise Pk. Saranac		Address Same As Well Location? ☒ Yes ☐ No													
Locate with "X" in Section Below		4 WELL DEPTH: 72 FT. Date Completed 08-07-93													
		☐ New Well ☒ Replacement Well													
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐													
2 FORMATION DESCRIPTION <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Clay</td> <td>42</td> <td>42</td> </tr> <tr> <td>Sand & Clay</td> <td>24</td> <td>66</td> </tr> <tr> <td>Sand</td> <td>6</td> <td>72</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	42	42	Sand & Clay	24	66	Sand	6	72	6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM											
Clay	42	42													
Sand & Clay	24	66													
Sand	6	72													
7 CASING: Diameter ☐ Steel ☒ Plastic ☐ Threaded ☐ Welded 5 in. to 68 ft. depth 8 in. to 68 ft. depth 8 in. to 68 ft. depth ☒ Routed Drill Hole Diameter		Height: Above/Below Surface 1 ft. SDR-21 lbs./ft.													
		Drive Shoe ☐ Yes ☒ No													
8 SCREEN: ☐ Not Installed S.Steel Type 10 slot Diameter 4" Slot/Gauze 68 Length 72 Set between 68 ft. and 72 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other		9 STATIC WATER LEVEL: 35 ft. below land surface ☐ Flow													
		10 PUMPING LEVEL: below land surface plunger 35 ft. after 1 hrs. pumping at 40 G.P.M. 35 ft. after 1 hrs. pumping at 40 G.P.M.													
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft.													
		☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives													
13 Nearest source of possible contamination Type S.Line Distance 60' ft. Direction N. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No		14 PUMP: ☐ Not Installed ☐ Pump Installation Only													
		Manufacturer's name Myers Model number 2N52-12 IIP 1/2 Volts 230 Length of Drop Pipe 54' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: S.Fiber Manufacturer's name Model number WM9 UG Capacity Gallons													
15. Remarks, elevation, source of data, etc.		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. G.L. Seese and Sons Well Drlg 34-1905													
17. Rig Operator's Name: Timothy Seese		REGISTERED BUSINESS NAME: 9751 Clarksville, Mi 48815 REGISTRATION NO. Address Signed Timothy Seese Date 8-24-93 AUTHORIZED REPRESENTATIVE													

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMIT NO:

WATER WELL AND PUMP RECORD

14067

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

5 1/4 5 1/4 5 1/4

Section No.

36

Town No.

6

Range No.

8

Distance and Direction from Road Intersection

Well located at 741 Wildwood Brook

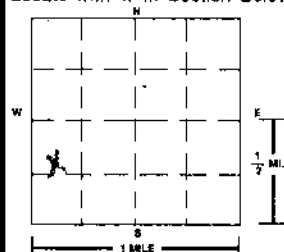
741 Wildwood Brook

Street Address & City of Well Location

Saranac

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Clay

28

28

Sandy Clay

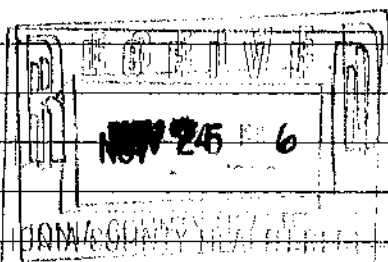
19

47

Sand

8

55



3. OWNER OF WELL Bary Darling

Address 741 Wildwood Dr.

Saranac, MI.

48881

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

55

ft.

Date Completed

10/21/96

☐ New Well☒ Replacement Well5. ☐ 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

Height: Above/Below

☒ Plastic☐ Welded

Surface: 1 ft

☐ Other

Diameter: 5 in. to 51 ft. depth

Weight: SDR-21 lbs./ft.

5 in. to 51 ft. depth

BORE HOLE:

Diameter: 8 in. to 51 ft. depth

☐ Drive Shoe

in. to in. ft. depth

☐ Shale Packer

8. SCREEN:

☐ Not Installed☒ Gravel-Packed

Type STAINLESS S.

Diameter 4"

Slot/Gauze 15

Length: 4'

Set Between 51 ft. and 55 ft.

FITTINGS:

☒ K-Packer☐ Bremer Check☒ Blank Above Screen 1 ft. Other

9. STATIC WATER LEVEL:

9 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

9 ft. After 1 hrs. Pumping at

30 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 45 ft.

☐ Neat Cement☒ Bentonite☐ Other

No. of Bags

Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type 3.1 line

Distance 70

ft. Direction N

Type

Distance

ft. Direction

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Red Jacket

Model Number

SOPW1

HP

1 1/2

Volts 230

Length of Drop Pipe

40

ft.

Capacity

10 G.P.M.

TYPE:

☒ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name

Structural Fibers

Model Number

WM-9

Capacity

Gallons

15. ABANDONED WELL PLUGGED?

☒ Yes ☐ No

Casing Diameter 2 in.

Depth ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☒ Bentonite Chips

No. of Bags

Casing Removed?

☐ Yes☒ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ Subcontractor

Name

Ronald Seese

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.

Seese Well Drilling Co.

34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Clarksville, MI 48815

Signed

Timothy Seese

AUTHORIZED REPRESENTATIVE

Date

10-29-96

GW-2-228 9/03

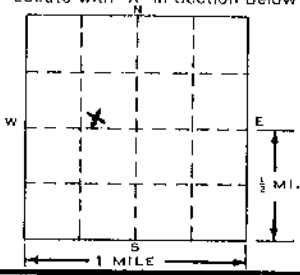
GEOLOGICAL SURVEY COPY

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

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 13946									
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.								
County <u>Ionia</u>		<u>Boston</u>		<u>NE 1/4 SE 1/4 NW 1/4</u>	<u>36</u>	<u>6</u>	<u>8</u>								
Distance and Direction from Road Intersection															
Well located <u>3/8 mile S. of Portland Rd.</u> & <u>100' W. of Jackson Rd.</u> <u>8360 S. Jackson Rd.</u> Street Address & City of Well Location <u>Lake Odessa</u>															
Locate with 'x' in Section Below		Sketch Map													
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM												
<u>Clay & Gravel</u>		<u>38</u>	<u>38</u>												
<u>Gravel</u>		<u>21</u>	<u>59</u>												
RECEIVED JUL - 3 1996 IONIA COUNTY HEALTH DEPT. RECEIVED OCT 10 1996 MICH. DEPT. OF PUBLIC HEALTH BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH															
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No		Casing Diameter _____ in. Depth _____ ft.													
PLUGGING MATERIAL:		☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips No. of Bags _____ Casing Removed? ☐ Yes ☐ No													
16. REMARKS: (Elevation, Source of Data, etc.)															
17. DRILLING MACHINE OPERATOR:															
☐ Employee ☐ Subcontractor Name <u>Ronald Seese</u>															
3. OWNER OF WELL <u>Janet McBill</u>															
Address <u>8360 S. Jackson Rd.</u> <u>Lake Odessa, MI.</u> <u>48849</u>															
Address Same as Well Location ☒ Yes ☐ No															
4. WELL DEPTH:		Date Completed		☒ New Well											
<u>59</u> ft.		<u>06/26/96</u>		☐ 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		Height: Above/Below											
☒ Plastic ☐ Welded		☐ Other _____		Surface: <u>1</u> ft											
Diameter: <u>5</u> in. to <u>55</u> ft. depth		<u>55</u> in. to _____ ft. depth		Weight: <u>SDR-21</u> lbs./ft.											
BORE HOLE:		☐ Drive Shoe		☐ Shale Packer											
Diameter: <u>8</u> in. to <u>55</u> ft. depth		<u>55</u> in. to _____ ft. depth													
8. SCREEN:		☐ Not Installed		☒ Gravel-Packed											
Type <u>STAINLESS S.</u>		Diameter <u>4"</u>		Slot/Gauze <u>15</u> Length: <u>4'</u>											
Set Between <u>55</u> ft. and <u>59</u> ft.		FITTINGS: ☐ K-Packer ☐ Bremer Check													
☒ Blank Above Screen <u>1</u> ft. Other _____															
9. STATIC WATER LEVEL: <u>13</u> ft. Below Land Surface ☐ Flowing															
10. PUMPING LEVEL: Below Land Surface <u>13</u> ft. After <u>1</u> hrs. Pumping at <u>40</u> G.P.M.															
☐ Plunger ☐ Bailer ☐ Air ☐ Test Pump															
11. WELL HEAD COMPLETION:															
☒ Pitless Adaptor ☒ 12" Above Grade															
☐ Basement Offset ☐ Well House															
12. ROUTED? ☐ No ☒ Yes From <u>0</u> to <u>49</u> ft.															
☐ Neat Cement ☐ Bentonite ☐ Other _____															
No. of Bags _____ Additives _____															
13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:															
Distance _____ ft. Direction _____															
Distance <u>60</u> ft. Direction <u>NE</u>															
14. PUMP: ☐ Not Installed ☐ Pump Installation Only															
Manufacturer's Name <u>Red Jacket</u>															
Model Number <u>SORTW1</u> HP <u>1/2</u> Volts <u>230</u>															
Length of Drop Pipe <u>40</u> ft. Capacity <u>10</u> G.P.M.															
TYPE: ☒ Submersible ☐ Jet ☐ Other _____															
PRESSURE TANK:															
Manufacturer's Name <u>Structural Fibers</u>															
Model Number <u>WM-9</u> Capacity _____ Gallons															
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.															
Seese Well Drilling Co. 34-1905															
REGISTERED BUSINESS NAME REGISTRATION NO.															
Address <u>Clarksville, MI. 48815</u>															
Signed <u>Timothy Seese</u> Date <u>6-28-96</u>															
AUTHORIZED REPRESENTATIVE															

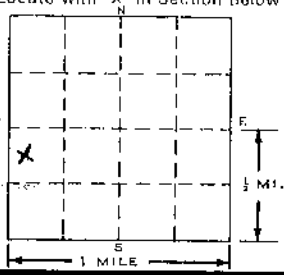
WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		TOWNSHIP NAME		Fraction	Section Number	Town Number	Range Number
County Ionia		Boston		SE 1/4	SW 1/4	NW 1/4	36
Distance And Direction From Road Intersection		Well located 1/4 mile E. of Morrison Lake Rd. and 100' W. of Paradise Pk.					
Street Address & City of Well Location		772 Paradise Pk. Saranac					
Locate with "X" in Section Below		Sketch Map:		3 OWNER OF WELL			
				Pat Meyers 772 Paradise Pk. Saranac, Mi. 48881 Address Same As Well Location? ☒ Yes ☐ No			
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: Date Completed			
Clay	42	42	72 FT. 08-07-93 ☒ New Well ☒ Replacement Well				
Sand & Clay	24	66	5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☒ Auger ☐ Jetted				
Sand	6	72	6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public				
			7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface 1 ft. 5 in. to 68 ft. depth Weight SDR-21 lb/ft. 8 in. to 68 ft. depth Drive Shoe ☐ Yes ☒ No 8 in. to 68 ft. depth				
			8 SCREEN: ☐ Not Installed Type S-Steel Diameter 4" Slot/Gauge 10 slot Length 4" Set between 68 ft. and 72 ft. FITTINGS: ☒ K-Packer ☐ Load Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other				
			9 STATIC WATER LEVEL: 35 ft. below land surface ☐ Flow 10 PUMPING LEVEL: below land surface plunger 35 ft. after 1 hrs. pumping at 40 G.P.M.				
			11 WELL HEAD COMPLETION: ☐ Pitless adapter ☐ 12" above grade ☒ Basement offset ☒ Approved pit				
			12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft. ☐ Neat cement ☐ Bentonite ☐ Other				
			13 Nearest source of possible contamination Type S.Line Distance 60' ft. Direction N. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No				
			14 PUMP: ☐ Not Installed ☒ Pump Installation Only Manufacturer's name Myers Model number 2N52-12 HP 1/2 Volts 230 Length of Drop Pipe 54' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name S.Fiber Model number WM9-11G Capacity _____ Gallons				
15. Remarks, elevation, source of data, etc.		16. WATER WELL CONTRACTOR'S CERTIFICATION:					
RECEIVED Mich. Dept. of Public Health AUG 21 1993 BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. G.L. Seese and Sons Well Drig 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9751 Clarksville, Mi 48815 Signed Timothy Seese Date 8-10-93 AUTHORIZED REPRESENTATIVE					
17. Rig Operator's Name:		18. Authority:					
Timothy Seese		Completion: Required Penalty: Conviction of a violation of any provision is a misdemeanor.					

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		2 FORMATION DESCRIPTION		3 OWNER OF WELL: Joe Brown	
County Ionia	Township Name Boston	Fraction NW 1/4 NW 1/4 SW 1/4	Section Number 36	Town Number 6	Range Number 8 N/X S/W
Distance And Direction From Road Intersection Well located 200' E. of Morrison Lk. Rd. & 50' S. of Wildwood Pk.		Address 685 Wildwood Park Saranac, Mi. 48881			
Street Address & City of Well Location 685 Wildwood Park Saranac		Address Same As Well Location? ☒ Yes ☐ No			
Locate with "X" in Section Below		4 WELL DEPTH: 271 FT. Date Completed 03-26-93			
Sketch Map: 		☒ New Well ☒ Replacement Well			
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐			
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
		7 CASING: ☐ Steel ☐ Threaded ☒ Above/Below ☒ Plastic ☐ Welded ☐ Surface 1 ft. 5 in. to 200 ft. depth ☐ SDR21 8 in. to 200 ft. depth ☐ Weight ☐ lbs./ft. ☐ Routed Drill Hole Diameter ☐ Drive Shoe ☐ Yes ☐ in. to ☐ ft. depth ☒ No			
		8 SCREEN: ☐ Not Installed Type ☐ Diameter ☐ Slot/Gauze ☐ Length ☐ Set between ☐ ft. and ☐ ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bromer Check ☐ Blank above screen ☐ ft. Other ☐			
		9 STATIC WATER LEVEL: 16 ft. below land surface ☐ Flow			
		10 PUMPING LEVEL: below land surface air lift 16 ft. after 4 hrs. pumping at 60 G.P.M. 16 ft. after 4 hrs. pumping at 60 G.P.M.			
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit			
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 40 ft. ☐ Neat cement ☒ Bentonite ☐ Other ☐ No. of bags of cement ☐ Additives ☐			
		13 Nearest source of possible contamination Type S.Line Distance 13' ft. Direction N. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No			
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number 2N52-12 HP 1/2 Volts 230 Length of Drop Pipe 40' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: S.Fiber Manufacturer's name ☐ Model number WM-6 Capacity ☐ Gallons			
15. Remarks, elevation, source of data, etc.		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. G.L. Seese and Sons Well Drlg 34-1905			
17. Rig Operator's Name: Timothy Seese		REGISTERED BUSINESS NAME 9751 Clarksville, Mi 48815 Address Signed Gerald Seese Date 3-31-93 AUTHORIZED REPRESENTATIVE			

USE A 2ND SHEET IF NEEDED

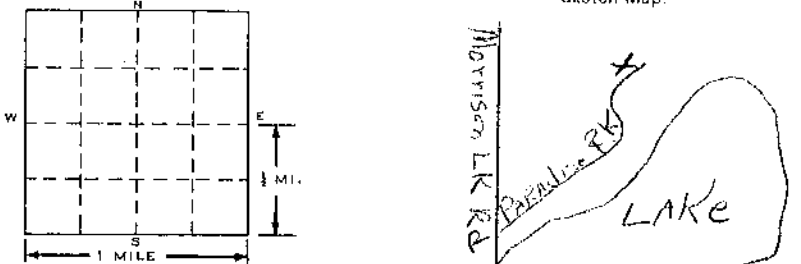
WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		TOWNSHIP NAME		FRACTION		SECTION NUMBER		TOWN NUMBER		RANGE NUMBER	
COUNTY IONIA		BOSTON		NE 1/4 NW 1/4 SW 1/4		36		6		8	
Distance And Direction From Road Intersection 1/8TH MILE EAST OF MORRISON LAKE ON WILDWOOD, SOUTH SIDE OF THE ROAD											
Street Address & City of Well Location Locate with "X" in Section Below											
				3 OWNER OF WELL: JOSEPH BODO Address 687 WILDWOOD SARANAC, MI 48881 Address Same As Well Location? ☒ Yes ☐ No							
2 FORMATION DESCRIPTION				4 WELL DEPTH: 71 FT.				Date Completed MO 03 DAY 04 YEAR 93 ☒ New Well ☐ Replacement Well			
				5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
				7 CASING: ☐ Steel ☐ Threaded ☐ Height: Above Ground XXXXX ☒ Plastic ☐ Welded 5 in. to 62 ft. depth Surface 1 ft. Weight RSD21 lbs./ft. Grouted Drill Hole Diameter in. to ft. depth Drive Shoe ☐ Yes ☒ No in. to ft. depth				8 SCREEN: ☐ Not Installed Type JAYCO Diameter 3" Slot 12 Length 10' Set between ft. and 71 ft. FITTINGS ☒ K-Packer ☐ Lead Packer ☐ Bromor Check ☒ Blank above screen 1 ft. Other			
				9 STATIC WATER LEVEL: 23 ft. below land surface ☐ Flow				10 PUMPING LEVEL: below land surface 36 ft. after 1 hrs. pumping at G.P.M. ft. after hrs. pumping at G.P.M.			
				11 WELL HEAD COMPLETION: ☒ Pitless adaptor ☐ 12" above grade ☐ Basement offset ☐ Approved pit				12 WELL GROUTED? ☐ No ☒ Yes From 0 to 30 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives			
13 Nearest source of possible contamination Type SEWER Distance ft. Direction Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No				14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name RED JACKET Model number 3 WIRE HP 3/4 Volts 240 Length of Drop Pipe 55 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name WELL EXTROL Model number 251 Capacity 44 Gallons							
15. Remarks, elevation, source of data, etc. INVOICE 8306, 8316											
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. KARL GEIGER WATER WELL CONSTRUCTION, INC. 0700 REGISTERED BUSINESS NAME REGISTRATION NO. 5043 WHITES BRIDGE ROAD, BELDING, MI 48809 Signed Karl Geiger Date 3-25-93 AUTHORIZED REPRESENTATIVE											
17. Rig Operator's Name: CHET URIE											

WATER WELL AND PUMP RECORD

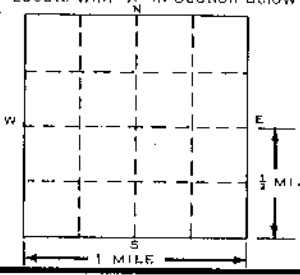
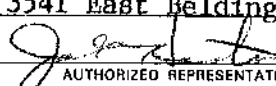
PERMIT NUMBER

1 LOCATION OF WELL		X				
County	Township Name	Fraction	Section Number	Town Number	Range Number	
Ionia	Boston	NE 1/4 SW 1/4 NW 1/4	36	6	N/Sx 8 E/W	
Distance And Direction From Road Intersection		3 OWNER OF WELL: Hal Olmstead RR#3 Banes 9905 Address Eaton Rapids, Mi. 48827 Address Same As Well Location? ☐ Yes ☒ No				
Well located at 809 Paradise Park, Morrison Lake 809 Paradise Pk. Street Address & City of Well Location Saranac		4 WELL DEPTH: Date Completed MO. DAY YEAR ☐ New Well 40 FT. 02-24-93 ☒ Replacement Well				
Locate with "X" in Section Below 		5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☒ Jetted				
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public				
		7 CASING: ☒ Steel ☒ Threaded ☐ Plastic ☐ Welded 2 in. to 36 ft. depth Grouted Drill Hole Diameter 3 in. to 4 in. depth Height: Above/Below Surface 1 ft. Weight 3.75 lbs./ft. Drive Shoe ☒ Yes ☐ No				
APR 1993 RECEIVED MICH. DEPT. OF PUBLIC HEALTH		8 SCREEN: ☐ Not Installed Type Stainless Steel Diameter 1-1/4 Slot/Gauze 12 slot Length 4' Set between 36 ft. and 40 ft. FITTINGS: ☒ K-Packer ☐ Load Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other				
		9 STATIC WATER LEVEL: 5 ft. below land surface ☐ Flow				
		10 PUMPING LEVEL: below land surface 5 ft. after 1 hrs. pumping at 15 G.P.M.				
		11 WELL HEAD COMPLETION: ☐ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit				
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives				
		13 Nearest source of possible contamination Type S-Line Distance ft. Direction Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No				
		14 PUMP: ☒ Not installed ☐ Pump Installation Only Manufacturer's name Model number HP Volts Length of Drop Pipe ft. capacity G.P.M. TYPE: ☐ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Model number Capacity Gallons				
15. Remarks, elevation, source of data		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. G.L. Seese and Sons Well Drlg 34-1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9751 Clarksville, Mi 48815 Signed Gerald Seese Date 4-10-93 AUTHORIZED REPRESENTATIVE				
17. Rig Operator's Name: Ron Seese		BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH				

WATER WELL AND PUMP RECORD

PERMIT NUMBER

2452

1 LOCATION OF WELL		Township Name		Fraction	Section Number	Town Number	Range Number
County Ionia		Boston		$\frac{1}{4}$	$\frac{1}{4}$	36	6 N/8
Distance And Direction From Road Intersection Platted Sub				3 OWNER OF WELL: Linda VanPortfleit 72 Morrison Lake Gardens Sarnac 48881			
Street Address & City of Well Location Locate with "X" in Section Below				Address Same As Well Location? ☒ Yes ☐ No			
Sketch Map: 				4 WELL DEPTH: Date Completed ☒ New Well 78 FT. 11 MO. 9 DAY 93 YEAR ☐ Replacement Well			
2 FORMATION DESCRIPTION				5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐			
THICKNESS OF STRATUM				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
DEPTH TO BOTTOM OF STRATUM				7 CASING Diameter ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☒ Height: Above XX Surface 1 ft. 4 in. to 67 ft. depth Weight 1100 lbs./ft. 3 in. to 71 ft. depth Grouted Drill Hole Diameter ☐ Drive Shoe ☒ Yes ☐ No			
Clay				8 SCREEN: ☐ Not Installed Type Stainless Diameter 3" Slot/Groove XX 10 Length 4' Set between 67 ft. and 71 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other			
Sandy Clay				9 STATIC WATER LEVEL: ☐ Flow 25 ft. below land surface			
Water Saturated				10 PUMPING LEVEL: below land surface ft. after hrs. pumping at G.P.M. ft. after hrs. pumping at G.P.M.			
				11 WELL HEAD COMPLETION ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit			
				12 WELL GROUTED? ☐ No ☐ Yes From to ft. ☐ Neat cement ☐ Bentonite ☐ Other			
				13 Nearest source of possible contamination Type Central Distance ft. Direction Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No			
				14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name McDonald Model number HP 1/2 Volts 220/115 Length of Drop Pipe 40 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Well-X-Trol Manufacturer's name Model number WX202-ug Capacity 40 Gallons			
15. Remarks, elevation, source of data, etc.				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. A.B. Heaton & Sons 0346 REGISTERED BUSINESS NAME REGISTRATION NO. Address 3541 East Belding R.d Belding 48809 Signed  AUTHORIZED REPRESENTATIVE Date November 9, 1993			
17. Rig Operator's Name: Mike							

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

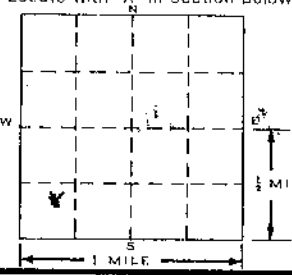
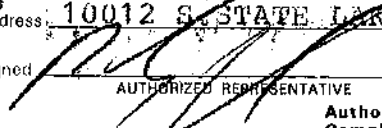
PERMIT NUMBER

11796

1 LOCATION OF WELL		Fraction		Section Number	Town Number	Range Number
County	Township Name					
IONIA	BOSTON	1/4	1/4	36	6 N/S	8 E/W
Distance And Direction From Road Intersection		3 OWNER OF WELL:				
400' E. OF MORRISON LK RD.		LIONEL HASKINS				
Street Address & City of Well Location		Address				
6920 BEACHWOOD PR.		6920 BEACHWOOD PR.				
Locate with "X" in Section Below		Address Same As Well Location? ☒ Yes ☐ No				
Sketch Map		4 WELL DEPTH: Date Completed				
		315 FT. 6/15/93				
		☒ New Well ☐ Replacement Well				
		☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐				
		6 USE ☐ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☒ Type IIb Public ☐				
		7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below 5 in. to 2 1/5 ft. depth Surface 1 ft. Weight _____ lbs./ft. Grouted Drill Hole Diameter ☐ Drive Shoe ☐ Yes ☒ No _____ in. to _____ ft. depth				
2 FORMATION DESCRIPTION		8 SCREEN: ☒ Not Installed				
THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Type _____ Diameter _____				
Brown Clay & Gravel	85	Slot/Gauze _____ Length _____				
18 slot water sand	13	Set between _____ ft. and _____ ft.				
Gray Clay	7	FITTINGS: ☐ K Packer ☐ Load Packer ☐ Rammer Check ☐ Blank above screen _____ ft. Other _____				
15-18 slot water sand	55	9 STATIC WATER LEVEL: 30 ft. below land surface ☐ Flow				
Brown Clay	45	10 PUMPING LEVEL below land surface				
Limestone	17	_____ ft. after _____ hrs. pumping at _____ G.P.M.				
Gray Shale	60	_____ ft. after _____ hrs. pumping at _____ G.P.M.				
Brd shale	5	11 WELL HEAD COMPLETION: ☒ Pitless adaptor ☒ 12" above grade ☐ Basement offset ☐ Approved pit				
Lime Stone	10	12 WELL GROUTED? ☐ No ☒ Yes From 0 to 30 ft.				
Sandstone	20	☐ Neat cement ☐ Bentonite ☒ Other BENTONITE No. of bags of cement _____ Additives _____				
		13 Nearest source of possible contamination				
		Type Sewer Distance 75 ft. Direction North				
		Well disinfected upon completion? ☒ Yes ☐ No				
		Was old well plugged? ☐ Yes ☐ No				
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only				
		Manufacturer's name _____				
		Model number _____ HP _____ Volts _____				
		Length of Drop Pipe _____ ft. capacity _____ G.P.M.				
		TYPE: ☐ Submersible ☐ Jet				
		PRESSURE TANK: Manufacturer's name _____				
		Model number _____ Capacity _____ Gallons				
15. Remarks, elevation, source of data, etc.		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.				
		O'Connor Well Drilling 1762				
		REGISTERED BUSINESS NAME REGISTRATION NO.				
		4350 Neddies Rd Belling MI				
17. Rig Operator's Name:		Signed Pat O'Connor Date 8/24/93				
Ross Gregory		AUTHORIZED REPRESENTATIVE				

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		Township Name		Fraction	Section Number	Town Number	Range Number
County IONIA		BOSTON		NE 1/4 SW 1/4 1/4	36	6 N/S	8 E/W
Distance And Direction From Road Intersection 1/4 MI NE OF GOODEMOTE 40' W OF BREEZY PT				3 OWNER OF WELL: LARRY MARKWART Address 415 BREEZY PT Address Same As Well Location? ☒ Yes ☐ No			
Street Address & City of Well Location Locate with "X" in Section Below				4 WELL DEPTH: Date Completed MO. DAY YEAR 89 FT. 5 18 93 ☐ New Well ☒ Replacement Well			
Sketch Map: 				5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☒ Jetted ☐			
				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
				7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐ Height: Above/Below 4 in. to 84 ft depth Surface 1 ft. Weight 11 lbs./ft. Grouted Drill Hole Diameter in. to ft. depth Drive Shoe ☒ Yes ☐ No in. to ft. depth			
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	8 SCREEN: ☐ Not Installed Type PVC Diameter 3" Slot 10 Length 5' Set between 84 ft. and 89 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other			
BROWN CLAY		20	20	9 STATIC WATER LEVEL: 6 ft. below land surface ☐ Flow			
GRAVEL		5	25	10 PUMPING LEVEL below land surface ft. after hrs. pumping at G.P.M. ft. after hrs. pumping at G.P.M.			
GRAY CLAY AND GRAVEL		58	83	11 WELL HEAD COMPLETION: ☒ Pitless adaptor ☐ 12" above grade ☐ Basement offset ☐ Approved pit			
GRAVEL		6	89	12 WELL GROUTED? ☐ No ☒ Yes From to ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags cement 2			
				13 NEAREST SOURCE OF POSSIBLE CONTAMINATION Type SEWER LINE Distance 30 ft. Direction N Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? UNABLE TO FIND Yes ☒ No			
				14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name MYERS Model number 1 HP 220 Volts Length of Drop Pipe 55 ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name PERMA-ATR Model number PAD-20 Capacity 20 Gallons			
15. Remarks, elevation, source of data, etc.		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.					
17. Rig Operator's Name:		BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWOS RANDY SHEPARD					
		SHEPARD WELL DRILLING 1932 REGISTERED BUSINESS NAME Address 10012 STATE LAKE ODESSA Signed  Date 10-5-93 AUTHORIZED REPRESENTATIVE					

USE A 2ND SHEET IF NEEDED

OCT 19 1993

BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-GWOS

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address 10012 STATE LAKE ODESSA

Signed

AUTHORIZED REPRESENTATIVE

Date 10-5-93

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

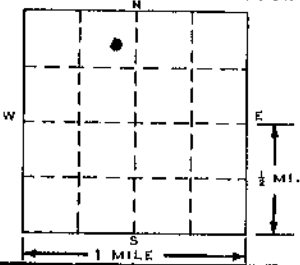
WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																
County IONIA	Township Name BOSTON	Fraction SE 1/4 NE 1/4	Section Number 36															
		Town Number 6 N/3	Range Number 8 W															
Distance And Direction From Road Intersection APPROX. 2.5 TENTHS MILE SOUTH OF PORTLAND RD THAN 2 TENTHS OF A MILE WEST OF JACKSON RD ON SUNSET BEACH.		Address 193 SUNSET BEACH SARANAC, MI Address Same As Well Location? ☒ Yes ☐ No																
Locate with "X" in Section Below 		4 WELL DEPTH: (completed) 96 ft. Date of Completion 3-24-88 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐																
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">FORMATION DESCRIPTION</th> <th style="width:20%;">THICKNESS OF STRATUM</th> <th style="width:20%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr><td>CLAY & SAND</td><td>5</td><td>5</td></tr> <tr><td>SAND</td><td>50</td><td>55</td></tr> <tr><td>SILTY SAND</td><td>30</td><td>85</td></tr> <tr><td>SAND W. BEARING</td><td>11</td><td>96</td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	CLAY & SAND	5	5	SAND	50	55	SILTY SAND	30	85	SAND W. BEARING	11	96	6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM														
		CLAY & SAND	5	5														
		SAND	50	55														
SILTY SAND	30	85																
SAND W. BEARING	11	96																
7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded 5 in. to 92 ft. depth Height: Above/Below Surface SDR 3 ft. Weight SDR 3 lbs./ft. Drive Shoe ☐ Yes ☐ No																		
8 SCREEN: ☐ Not Installed Type STAINLESS Diameter 4" Slot/Gauze 12 Length 4' Set between 92 ft. and 96 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen 1 ft. Other _____																		
		9 STATIC WATER LEVEL: 3 ft. below land surface ☐ Flow																
		10 PUMPING LEVEL: below land surface 6 ft. after 2 hrs. pumping at 30 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit																
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 40 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																
		13 Nearest source of possible contamination Type SEWER Distance 15 ft. Direction E CENTRAL Well disinfected upon completion? ☒ Yes ☐ No																
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name RED JACKET Model number CN9BC HP 1/2 Volts 230 Length of Drop Pipe 60 ft. capacity 10 G.P.M. TYPE: ☐ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name WELL-MATE Model number WM-06 Capacity _____ Gallons																
15. Remarks, elevation, source of data, etc. 1945 LAC DU MONT HASLETT, MI 48840		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. J. SWISER WELL-DRILLG. 0047 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9376 TASLER RD LAKE ODessa Signed Jay Swiser Date 4-6-88 AUTHORIZED REPRESENTATIVE																

WATER WELL AND PUMP RECORD

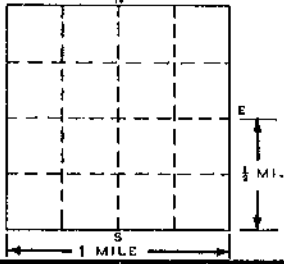
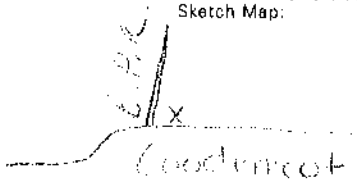
PERMIT NUMBER

1 LOCATION OF WELL		Township Name		Fraction		Section Number		Town Number		Range Number	
County <u>INIOA</u>		<u>BOSTON</u>		<u>NW 1/4 SE 1/4</u>		<u>36</u>		<u>5</u> <u>NS</u>		<u>8</u> <u>E</u>	
Distance And Direction From Road Intersection <u>Portland Rd To Lakeside Drive 900'</u> <u>West of Dam MORRISON LK To well</u> <u>10' N.</u>											
Street Address & City of Well Location Address Same As Well Location? ☒ Yes ☐ No											
Locate with "X" in Section Below				Sketch Map:							
											
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:			
								Alvin Bunning Address <u>LOT 9 LAKE SIDE DR MORRISON LK</u> <u>CLARKSVILLE MI 48815</u> Address Same As Well Location? ☒ Yes ☐ No			
<u>SAND</u>				<u>5</u>		<u>5</u>		4 WELL DEPTH:			
								Date Completed <u>9/30/87</u> ☒ New Well ☐ Replacement Well <u>57</u> FT.			
<u>Rd CLAY</u>				<u>5</u>		<u>10</u>		5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug			
								☒ Hollow rod ☐ Auger ☐ Jetted ☐ _____			
<u>Blu CLAY & Gul</u>				<u>26</u>		<u>36</u>		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public			
								☐ Irrigation ☐ Type IIa Public ☐ Heat pump			
<u>Blu Clay Gul & Sand</u>				<u>6</u>		<u>42</u>		7 CASING: ☒ Steel ☒ Threaded ☐ Plastic ☐ Welded			
								Height: <u>2</u> in. to <u>53</u> ft. depth ☒ Above ☐ Below <u>1 1/4</u> in. to <u>57</u> ft. depth Surface <u>7</u> ft. Grouted Drill Hole Diameter <u>3 7/8</u> lbs./ft. Drive Shoe ☒ Yes ☐ No			
<u>Gul. COR. TR Blu clay.</u>				<u>8</u>		<u>50</u>		8 SCREEN: ☐ Not Installed			
								Type <u>Johnson</u> Diameter <u>1 1/4</u> Slot/Gauze <u>10</u> Length <u>48"</u> Set between <u>53</u> ft. and <u>57</u> ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☒ Bremer Check ☐ Blank above screen <u>1</u> ft. Other _____			
<u>SAND COR</u>				<u>7</u>		<u>57</u>		9 STATIC WATER LEVEL:			
								<u>10</u> ft. below land surface ☐ Flow			
								10 PUMPING LEVEL: below land surface			
								<u>10</u> ft. after <u>1</u> hrs. pumping at <u>15</u> G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.			
								11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade			
								☐ Basement offset ☐ Approved pit			
								12 WELL GROUTED? ☐ No ☐ Yes From _____ to _____ ft.			
								☐ Neat cement ☐ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____			
								13 Nearest source of possible contamination			
								Type _____ Distance _____ ft. Direction _____ Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No			
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only			
								Manufacturer's name <u>Burk</u> Model number <u>SVNA</u> HP <u>1/2</u> Volts <u>115</u> Length of Drop Pipe <u>20</u> ft. capacity <u>10</u> G.P.M. TYPE: ☐ Submersible ☒ Jet <u>221.77</u> PRESSURE TANK: <u>Clayton MARK</u> Manufacturer's name <u>Clayton MARK</u> Model number <u>CM03</u> Capacity <u>80</u> Gallons			
15. Remarks, elevation, source of data, etc.											
17. Rig Operator's Name: <u>Watson Joyce</u>											
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. <u>Joyce Drilling 03-1887</u> REGISTERED BUSINESS NAME <u>4460 17th Calcedonia MI 49316</u> REGISTRATION NO. <u>49316</u> Address <u>Watson Joyce</u> Signed <u>10/11/87</u> Date <u>10/11/87</u> AUTHORIZED REPRESENTATIVE Authority: <u>Completion:</u> <u>Penalty:</u> Act 388 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.											

WATER WELL AND PUMP RECORD

PERMIT NUMBER

9018

1 LOCATION OF WELL		County <u>IONIA</u>		Township Name <u>BOSTON</u>		Fraction <u>1/4 1/4 1/4</u>		Section Number <u>36</u>		Town Number <u>N/S</u>		Range Number <u>E/W</u>	
Distance And Direction From Road Intersection <u>on Coedemont Breezy Pt</u> <u>between corner of</u> <u>Coedemont Rd</u>						3 OWNER OF WELL <u>Shelby CONRAD</u> <u>8945 BARRY POINT</u> <u>CLARKSVILLE MI.</u> Address Same As Well Location? ☒ Yes ☐ No							
Street Address & City of Well Location <u>Coedemont Rd</u>						4 WELL DEPTH: (completed) <u>68</u> ft. Date of Completion <u>7-24-87</u>							
Locate with "X" in Section Below 						5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐							
Sketch Map: 						6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐							
2 FORMATION DESCRIPTION						THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded <u>5"</u> in. to <u> </u> ft. depth <u> </u> in. to <u> </u> ft. depth Grouted Drill Hole Diameter <u> </u> in. to <u> </u> ft. depth <u> </u> in. to <u> </u> ft. depth			
										Height: Above/Below Surface <u> </u> ft. Weight <u> </u> lbs./ft. Drive Shoe ☐ Yes ☐ No			
Sand						15'		15'		8 SCREEN: ☐ Not Installed Type <u>S/S</u> Diameter <u>4"</u> Slot/Gauge <u>12</u> Length <u>4'</u> Set between <u>64</u> ft. and <u>68</u> ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremor Check ☐ Blank above screen <u> </u> ft. Other <u> </u>			
Grey Clay & Stones						47'		62'		9 STATIC WATER LEVEL: <u>17</u> ft. below land surface ☐ Flow			
Sandy Gravel						6'		68'		10 PUMPING LEVEL: below land surface <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M. <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M.			
										11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit			
										12 WELL GROUTED? ☐ No ☐ Yes From <u> </u> to <u> </u> ft. ☐ Neat cement ☐ Bentonite ☐ Other <u> </u> No. of bags of cement <u> </u> Additives <u> </u>			
										13 Nearest source of possible contamination Type <u>Septic</u> Distance <u>50</u> ft. Direction <u>E</u> Well disinfected upon completion? ☒ Yes ☐ No			
										14 PUMP: ☐ Not Installed ☒ Pump Installation Only Manufacturer's name <u>McDonalds</u> Model number <u> </u> HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u> </u> ft. capacity <u>10</u> G.P.M. TYPE ☒ Submersible ☐ Jet PRESSURE TANK: <u>Clayton Mark</u> Manufacturer's name <u> </u> Model number <u> </u> Capacity <u>10</u> Gallons			
15. Remarks, elevation, source of data, etc. <u>USE A 2ND SHEET IF NEEDED</u>						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. <u>Bowerman Well Drilling</u> <u>OP-1753</u> REGISTERED BUSINESS NAME <u>408 1/2 Grand River</u> REGISTRATION NO. <u>TR. Portland</u> Address <u> </u> Signed <u>Joe Bowerman</u> Date <u>5-12-89</u> AUTHORIZED REPRESENTATIVE							

WATER WELL AND PUMP RECORD

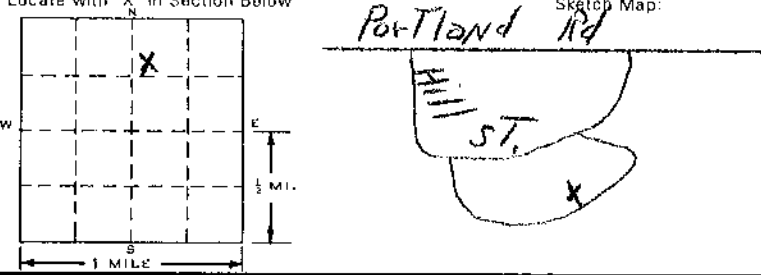
PERMIT NUMBER

1 LOCATION OF WELL		TOWNSHIP NAME		Fraction	Section Number	Town Number	Range Number
County	Ionia	Boston		SE 1/4 SW 1/4 NW 1/4	36	6 N 3 E	8 E W
Distance And Direction From Road Intersection				3 OWNER OF WELL:			
Well located 1/3 mile E of Morrison LK Rd.				Fred Mazie			
AND 40' E of Paradise Park Rd.				Address 769 Paradise Park			
Street Address & City of Well Location				Sarahac, MI 48881			
Locate with "X" in Section Below				Address Same As Well Location? ☒ Yes ☐ No			
Sketch Map:		Sketch Map:		4 WELL DEPTH: Date Completed			
1 MILE		1 MILE		60 FT. 5 19 89			
Morrison LK Rd		Paradise Park		☐ New Well			
				☒ Replacement Well			
				5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug			
				☐ Hollow rod ☐ Auger ☐ Jetted ☐			
				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public			
				☐ Irrigation ☐ Type IIa Public ☐ Heat pump			
				☐ Test Well ☐ Type IIb Public ☐			
				7 CASING: ☐ Steel ☐ Threaded ☐ Welded			
				5 in. to 56 ft. depth			
				Grouted Drill Hole Diameter			
				5 in. to 56 ft. depth			
				Height: Above/Surface 1 ft.			
				Weight lbs./ft. SDR-21			
				Drive Shoe ☐ Yes ☒ No			
				8 SCREEN: ☐ Not Installed			
				Type Stainless S Diameter 4"			
				Slot/Bar 12 Length 4'			
				Set between 56 ft. and 60 ft.			
				FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check			
				☒ Blank above screen 1 ft. Other			
				9 STATIC WATER LEVEL: 12 ft. below land surface ☐ Flow			
				10 PUMPING LEVEL: below land surface			
				ft. after hrs. pumping at G.P.M.			
				ft. after hrs. pumping at G.P.M.			
				11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade			
				☐ Basement offset ☐ Approved pit			
				12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft.			
				☐ Neat cement ☒ Bentonite ☐ Other			
				No. of bags of cement Additives			
				13 Nearest source of possible contamination			
				Type Septic Distance 30 ft. Direction S.			
				Well disinfected upon completion? ☒ Yes ☐ No			
				Was old well plugged? ☒ Yes ☐ No			
				14 PUMP: ☐ Not installed ☐ Pump Installation Only			
				Manufacturer's name Myers			
				Model number S2 N52-10 HP 1/2 Volts 230			
				Length of Drop Pipe 40 ft. capacity 10 G.P.M.			
				TYPE: ☒ Submersible ☐ Jet			
				PRESSURE TANK:			
				Manufacturer's name Structural Fiber			
				Model number WM-9 Capacity Gallons			
15. Remarks, elevation, source of data, etc.				16. WATER WELL CONTRACTOR'S CERTIFICATION:			
17. Rig Operator's Name:				This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.			
Timothy Seese				G.L. Seese & Sons Well Drilling, Inc. 34-1905			
				REGISTERED BUSINESS NAME REGISTRATION NO.			
				Address Clarksville, MI. 48815			
				Signed G.L. Seese Date 5-22-80			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

9996

1 LOCATION OF WELL		3 OWNER OF WELL:	
County Ionia	Township Name Boston	Fraction SW 1/4 NW 1/4 NE 1/4	Section Number 36
		Town Number 6 N/SXX	Range Number 8 E/W
Distance And Direction From Road Intersection Well located 3/8 mile S. of Portland Rd. and 60' E. of Hill St. Morrison Lk. gardens		Address C.W. Lass 81 Morrison Lk. Hardens Saranac, Mi. 48881	
Street Address & City of Well Location gardens		Address Same As Well Location? ☒ Yes ☐ No	
Locate with "X" in Section Below 		4 WELL DEPTH: Date Completed MO. DAY YEAR 59 FT. 9 1 89 ☐ New Well ☒ Replacement Well	
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
		7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface 1 ft. 5 in. to 55 ft. depth Weight SPR-21 lbs./ft. 7 7/8 in. to 55 ft. depth Grouted Drill Hole Diameter ☐ Drive Shoe ☐ Yes ☒ No	
		8 SCREEN: ☐ Not Installed Type Stainless S. Diameter 4" Slot XXXX Length 4' Set between 55 ft. and 59 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other	
		9 STATIC WATER LEVEL: 9 ft. below land surface ☐ Flow	
		10 PUMPING LEVEL: below land surface ____ ft. after ____ hrs. pumping at ____ G.P.M. ____ ft. after ____ hrs. pumping at ____ G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement ____ Additives ____	
		13 Nearest source of possible contamination Type Sewer L. Distance 13' Direction W Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number S2J72-J718P HP 3/4 Volts 230 Length of Drop Pipe 40-1 1/2 ft. capacity 18 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Amtrol Model number WX-302 Capacity ____ Gallons	
		15. Remarks, elevation, source of data, etc.	
		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. G.L. Seese & Sons Well Drlg. 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed G.L. Seese Date 9-6-89 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: Timothy Seese			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL			3 OWNER OF WELL:		
County Ionia	Township Name Boaton	Fraction NE 1/4 NE 1/4 SW 1/4	Section Number 36	Town Number 6 N 6x	Range Number 8 XX/W
Distance And Direction From Road Intersection Well located 1/4 mile W. of Jackson Rd. and 1/4 mile N. of Goodemote Rd. on Archer Dr.			Address Kenneth Hershberger 309 Archer Dr. Clarksville, Mi. 48815		
Street Address & City of Well Location			Address Same As Well Location? ☒ Yes ☐ No		
Locate with "X" in Section Below			4 WELL DEPTH: Date Completed MD. DAY YEAR ☒ New Well		
			117 FT. 7 1 89 ☐ Replacement Well		
			5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dig ☐ Hollow rod ☐ Auger ☐ Jetted ☐		
2 FORMATION DESCRIPTION			6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐		
			7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded 5 in. to 113 ft. depth Height: Above/Below Surface 1 ft. Grouted Drill Hole Diameter 7 7/8 in. to 113 ft. depth Weight 21 lbs./ft. Drive Shoe ☐ Yes ☒ No		
Sandy Clay			8 SCREEN: ☐ Not Installed Type Stainless Steel Diameter 4" Slot/Gauge 10 Length 4' Set between 113 ft. and 117 ft.		
Sand			FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other		
Clay			9 STATIC WATER LEVEL: 2 ft. below land surface ☐ Flow		
Clay and Sand			10 PUMPING LEVEL: below land surface		
Sand			ft. after hrs. pumping at G.P.M.		
			ft. after hrs. pumping at G.P.M.		
			11 WELL HEAD COMPLETION: ☒ Slipless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit		
			12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft. ☐ Neat cement ☒ Bentonite ☐ Other		
			No. of bags of cement Additives		
			13 Nearest source of possible contamination Type Sewer L. Distance 12 ft. Direction E.		
			Well disinfected upon completion? ☒ Yes ☐ No		
			Was old well plugged? ☐ Yes ☐ No		
			14 PUMP: ☐ Not Installed ☐ Pump Installation Only		
			Manufacturer's name Myers		
			Model number S2N52-10 HP 1/2 Volts 230		
			Length of Drop Pipe 100' 1" capacity 10 G.P.M.		
			TYPE: ☒ Submersible ☐ Jet		
			PRESSURE TANK: Structural Fiber		
			Manufacturer's name Structural Fiber		
			Model number WM-9 Capacity Gallons		
15. Remarks, elevation, source of data, etc.			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		
17. Rig Operator's Name: Timothy Seese			G.L. Seese & Sons Well Drilling 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO.		
			Address Clarksville, Mi. 48815		
			Signed Gerald Seese Date 7-17-89 AUTHORIZED REPRESENTATIVE		

RECEIVED

JUL 20 1989

IONIA COUNTY HEALTH DEPT.

RECEIVED
MICH. DEPT. OF PUBLIC HEALTH

JUL 27 1989

Bureau of Environmental and Occupational Health - GWOS

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

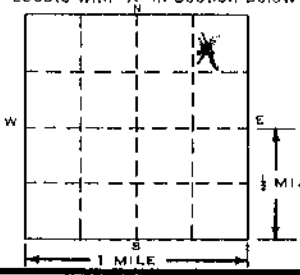
PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:													
County Ionia	Township Name Boston	Fraction SE 1/4 SW 1/4	Section Number 36												
Distance And Direction From Road Intersection Well located 1/2 mile S. of Portland Rd. & 1/4 mile E. of Morrison Lk. Rd. in		Town Number 6													
Street Address & City of Well Location Morrison Lk. Gardens		Range Number 8													
Locate with "X" in Section Below 		Address Same As Well Location? ☒ Yes ☐ No Ruth Bustance 7 Morrison Lk. Gardens Saranac, MI. 48881													
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Clay</td> <td>8</td> <td>8</td> </tr> <tr> <td>Clay and Sand</td> <td>54</td> <td>62</td> </tr> <tr> <td>Sand</td> <td>7</td> <td>69</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	8	8	Clay and Sand	54	62	Sand	7	69	4 WELL DEPTH: 69 FT. Date Completed MO. 7 DAY 29 YEAR 88 ☐ New Well ☒ Replacement Well	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM											
Clay	8	8													
Clay and Sand	54	62													
Sand	7	69													
5 CASING: Diameter ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Auger ☐ Jetted ☐ Dug Height: Above/Surface SDR-21 ft. Weight SDR-21 lbs./ft. Drive Shoe ☐ Yes ☒ No															
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐		7 SCREEN: ☐ Not Installed Type Stainless S. Diameter 4" Slot 12 Length 4' Set between 65 ft. and 69 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen ☐ Other													
9 STATIC WATER LEVEL: 11 ft. below land surface ☐ Flow		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.													
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 65 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement _____ Additives _____													
13 Nearest source of possible contamination Type Sewer Line Distance 10 ft. Direction S Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number 52N52-10 HP 1/2 Volts 230 Length of Drop Pipe 40-14 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name exiating WX-202 Model number _____ Capacity _____ Gallons													
15. Remarks, elevation, source of data, etc. 17. Rig Operator's Name: Gerald Seese		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. G.L. Seese & Sons Well Drlg. 34-1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, MI. 48815 Signed Gerald L. Seese Date 8-1-88 AUTHORIZED REPRESENTATIVE													

D67d 2/84

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		County Ionia		Township Name Boston		Fraction NE 1/4 NE 1/4		Section Number 36		Town Number 6		Range Number 8	
Distance And Direction From Road Intersection Well located 1/4 Mi. S. of Portland Rd. and 60' S. of Morrison Lk. Garden						3 OWNER OF WELL: George Hamblin Address 36 Morrison Lk. Gardens Saranac, Mi. 48881							
Street Address & City of Well Location						Address Same As Well Location? ☐ Yes ☐ No							
Locate with "X" in Section Below						4 WELL DEPTH: (completed) 112 ft.							
Sketch Map: 						Date of Completion 9-19-86							
2 FORMATION DESCRIPTION						5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐							
THICKNESS OF STRATUM						6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐							
DEPTH TO BOTTOM OF STRATUM						7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded 5 in. to 98 ft. depth 8 in. to 98 ft. depth Grouted Drill Hole Diameter 8 in. to 98 ft. depth							
Clay						Height: Above 3000 ft. Surface 1 ft. Weight SDR-21 lbs./ft. Drive Shoe ☐ Yes ☒ No							
and sand						8 SCREEN: ☐ Not Installed Type Stainless S. Diameter 4" Slot 12 Length 4' Set between 98 ft. and 112 ft.							
Clay, streaks of sandy gravel						FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other							
Sand						9 STATIC WATER LEVEL: 31 ft. below land surface ☐ Flow							
						10 PUMPING LEVEL: below land surface test pumped @ 40 GPM ft. after hrs. pumping at G.P.M. ft. after hrs. pumping at G.P.M.							
						11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit							
						12 WELL GROUTED? ☐ No ☒ Yes From 0 to 98 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives							
						13 Nearest source of possible contamination Type Sewer Line Distance 25 ft. Direction NE Well disinfected upon completion? ☒ Yes ☐ No							
						14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model number 50CNWL-CN9BC HP 2 Volts 230 Length of Drop Pipe 60 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Antrol Model number W-X 202 Capacity Gallons							
15. Remarks, elevation, source of data, etc. RECEIVED SEP 30 1986 IONIA COUNTY HEALTH DEPT. RECEIVED OCT 2 1986 Bureau of Environmental and Occupational Health - GWOS						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. G. L. Seese and Sons W/D 34-1183, 1905 REGISTRATION BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed Gerald Seese Date 9-26-86 AUTHORIZED REPRESENTATIVE							

APR 5 1984

WATER WELL AND PUMP RECORD

PART 127 ACT 368, P.A. 1978

PERMIT NUMBER

7294

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
Ionia		Boston		SE 1/4		NE 1/4 NW 1/4		36		6 N 1/2 E		8 E 1/2 W	
Distance And Direction From Road Intersection													
Well located in the Morrison Lake Resort Association													
Street Address & City of Well Location													
Locate with "X" in Section Below													
Sketch Map.													
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:							
Clay		68		68		Robert Stewart 54 Morrison Lake Gardens Address Saranac, Mi. 48881							
Sand		4		72		Address Same As Well Location? ☒ Yes ☐ No							
						4 WELL DEPTH: (completed) 72 ft. Date of Completion 1-4-84							
						5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐							
						6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐							
						7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Diameter 5 in. to 68 ft. depth Grouted Drill Hole Diameter 7-7/8 in. to 68 ft. depth Height: Above 1 ft. Surface 1 ft. Weight lbs./ft. Drive Shoe ☐ Yes ☒ No							
						8 SCREEN ☐ Not Installed Type Johnson S.S. Diameter 4" Slot/Gauge 12 Length 4" Set between 68 ft and 72 ft FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other							
						9 STATIC WATER LEVEL: 31 ft. below land surface ☐ Flow							
						10 PUMPING LEVEL: below land surface ft. after hrs pumping at G.P.M. ft. after hrs pumping at G.P.M.							
						11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit							
						12 WELL GROUTED? ☐ No ☒ Yes From 0 to 68 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives							
						13 Nearest source of possible contamination Type Sewer line Distance 14 ft Direction W Well disinfected upon completion? ☒ Yes ☐ No							
						14 PUMP. ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Flint and Walling Model number 5BA8 HP 1/2 Volts 115 Length of Drop Pipe 50 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Clayton- Mark Model number 40-02 Capacity Gallons							
15. Remarks, elevation, source of data, etc.						16. WATER WELL CONTRACTOR'S CERTIFICATION:							
RECEIVED MICH. DEPT. OF PUBLIC HEALTH MAR 6 1984 In Agricultural and Occupational Health Services Administration						This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. G.L. Seese Well Drilling 1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed Gerald Seese Date 2/28/84 AUTHORIZED REPRESENTATIVE							

APR 5 1984

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County <u>Tonia</u>	Township Name <u>Boston</u>	Fraction <u>SW 1/4</u>	Section Number <u>36</u>	Town Number <u>6</u>	Range Number <u>8</u>
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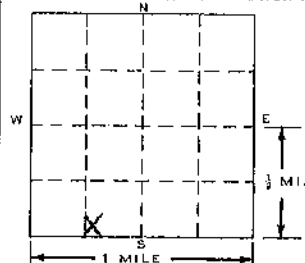
Distance And Direction from Road Intersections

Well located $\frac{1}{4}$ Mi. E. of Elm Rd. and
55' N. of Goodemote Rd.

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

Address

Barbara Sines
452 Lenhards Landing
Clarksville, MI 48815

4 WELL DEPTH: (completed) Date of Completion

279 ft. 2/28/84

5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug☐ Hollow rod ☐ Jetted ☐ Bored ☐6 USE: ☒ Domestic ☐ Public Supply ☐ Industry☐ Irrigation ☐ Air Conditioning ☐ Commercial☐ Test Well7 CASING: Threaded ☐ Welded ☐

SDR-21 plastic

Height: Above/Below

Surface 1 ft.

5 in. to 192 ft. Depth

4 in. to 279 ft. Depth

Weight lbs./ft.

Drive Shoe? Yes ☐ No ☒

8 SCREEN: none

Type: Dia: Length

Slot/Gauze Length

Set between ft. and ft.

Fittings:

9 STATIC WATER LEVEL

10 ft. below land surface

10 PUMPING LEVEL below land surface

ft. after hrs. pumping g.p.m.

ft. after hrs. pumping g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) Chlorides (Cl)

Hardness Not tested

12 WELL HEAD COMPLETION: ☐ in Approved Pit☒ Pitless Adapter ☒ 12" Above Grade13 Well Grouted? ☒ Yes ☐ No☐ Neat Cement ☒ Bentonite

Depth: From 0 ft. to 192 ft.

14 Nearest Source of possible contamination

35 feet N Direction Sewer Line Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name Flint & Walling

Model Number 4F10a05301 HP $\frac{1}{2}$ Volts 230

Length of Drop Pipe 80 ft. capacity 10 G.P.M.

Type: ☒ Submersible☐ Jet☐ Reciprocating

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Sand 15 15

Clay and Gravel 13 28

Clay 50 78

Clay and Gravel 13 91

Clay 66 157

Shale 98 255

Sand Rock 24 279

RECEIVED
MICHIGAN DEPT. OF HEALTH
MAR 1 1984
Environmental and
Occupational Health
Services Administration

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, JETTER

CORRECTED BY

ADDITION BY

ELEVATION

DEPTH TO ROCK

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.

G.L. Seese Well Drilling
REGISTERED BUSINESS NAME REGISTRATION NO.

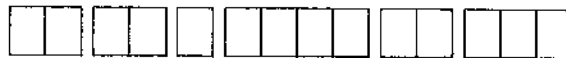
Address Clarksville, MI. 48815

Signed

AUTHORIZED REPRESENTATIVE

Date

2/28/84

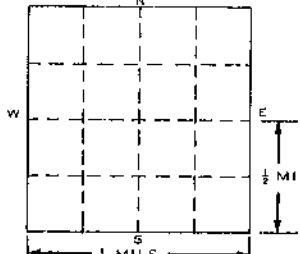


WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

OF
PUBLIC HEALTH

1 LOCATION OF WELL		SEP 26 1984			
County	Township Name	Fraction	Section Number	Town Number	Range Number
<u>Wayne</u>	<u>Easton</u>	$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	<u>36</u>	<u>6</u> N/S	<u>8</u> E/W
Distance And Direction from Road Intersections <u>Well located 1/2 Mi. N. of Goodemote Rd.</u> <u>and 30' W. of Breezy Point Dr.</u>					
Street address & City of Well Location Locate with "X" in section below					
		Sketch Map: <u>Breezy Point Dr.</u> <u>Goodemote Rd.</u>			
2 FORMATION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	3 OWNER OF WELL:	
<u>Clay</u>		<u>19</u>	<u>19</u>	<u>Karl Porrell</u>	
<u>Clay and Sand</u>		<u>39</u>	<u>58</u>	Address <u>585 8 N. Cochran</u>	
<u>Clay</u>		<u>30</u>	<u>88</u>	<u>Charlotte, Mi. 48813</u>	
<u>Clay and Gravel</u>		<u>3</u>	<u>91</u>	4 WELL DEPTH: (completed) Date of Completion	
<u>Clay</u>		<u>124</u>	<u>215</u>	<u>315</u> ft. <u>4-17-84</u>	
<u>Shale</u>		<u>66</u>	<u>281</u>	5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug	
<u>Sand Stone</u>		<u>34</u>	<u>315</u>	☐ Hollow rod ☐ Jotted ☐ Bored ☐	
<u>WX-203 Tank</u>				6 USE: ☐ Domestic ☒ Public Supply ☐ Industry	
<u>1 1/2 Sch. 80 drop pipe</u>				☐ Irrigation ☐ Air Conditioning ☐ Commercial	
				☐ Test Well ☐	
				7 CASING: Threaded ☐ Welded ☐ Height: Above/Below Surface <u>XXXX</u> ft.	
				<u>SDR-21 Plastic</u> <u>5</u> in. to <u>285</u> ft. Depth <u>285</u> in. to <u>285</u> ft. Depth Weight <u>XXXX</u> lbs./ft. Drive Shoe? Yes ☐ No ☒	
				8 SCREEN: <u>N one</u>	
				Type: _____ Dia.: _____	
				Slot/Gauze _____ Length _____	
				Set between _____ ft. and _____ ft.	
				Fittings: _____	
				9 STATIC WATER LEVEL <u>13</u> ft. below land surface	
				10 PUMPING LEVEL below land surface	
				_____ ft. after _____ hrs. pumping _____ g.p.m.	
				_____ ft. after _____ hrs. pumping _____ g.p.m.	
				11 WATER QUALITY in Parts Per Million:	
				Iron (Fe) _____ Chlorides (Cl) _____	
				<u>not tested</u>	
				Hardness _____ Other _____	
				12 WELL HEAD COMPLETION: ☐ In Approved Pit	
				☒ Pitless Adapter ☒ 12" Above Grade	
				13 Well Grouted? ☒ Yes ☐ No	
				☐ Neat Cement ☒ Bentonite ☐	
				Depth: From <u>0</u> ft. to <u>285</u> ft.	
				14 Nearest Source of possible contamination	
				<u>12</u> feet <u>N</u> Direction <u>Sewer Line</u> Type _____	
				Well disinfected upon completion ☒ Yes ☐ No	
				15 PUMP: ☐ Not installed	
				Manufacturer's Name <u>Tait</u>	
				Model Number <u>SDL310</u> HP <u>1/2</u> Volts <u>230</u>	
				Length of Drop Pipe <u>60</u> ft. capacity <u>10</u> G.P.M.	
				Type: ☒ Submersible ☐ Jet ☐ Reciprocating	
RECEIVED Mich. Dept. of Public Health AUG 9 1984 Bureau of Environmental and Occupational Health - CWT		WATER WELL CONTRACTOR'S CERTIFICATION:			
16 Remarks, elevation, source of data, etc. ADDED INFO BY DRILLER, ITEM ALL *CORRECTED BY **ADDITION BY ELEVATION DEPTH TO ROCK		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.			
		G.L. Soose Well Drilling 1183 REGISTERED BUSINESS NAME REGISTRATION NO.			
		Address <u>Clarksville, Mi. 48815</u>			
		Signed <u>Gerald Soose</u> Date <u>7-30-84</u> AUTHORIZED REPRESENTATIVE			

SEP 23 1981

WATER WELL RECORD

ACT 294 PA 1985

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		3 OWNER OF WELL:																																											
County Ionia	Township Name N Boston	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section Number 36																																										
Distance And Direction from Road Intersections Platted Sub		Town Number 76 N/SE																																											
Street address & City of Well Location 1969 S State Ionia		Range Number 67 E/W.																																											
Locate with "X" in section below 		Address 1969 S State Ionia 4 WELL DEPTH: (completed) Date of Completion 453 ft. Aug 17, 1981																																											
2 FORMATION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr><td>Dry Gravel</td><td>40</td><td>40</td></tr> <tr><td>Gray Clay</td><td>57</td><td>97</td></tr> <tr><td>Hard Pan</td><td>107</td><td>204</td></tr> <tr><td>Red Clay</td><td>14</td><td>218</td></tr> <tr><td>Gravel & Sand</td><td>3</td><td>221</td></tr> <tr><td>Hard Pan</td><td>12</td><td>(233)</td></tr> <tr><td>Gray Shale</td><td>7</td><td>240</td></tr> <tr><td>Limestone</td><td>25</td><td>265</td></tr> <tr><td>Red Shale</td><td>20</td><td>285</td></tr> <tr><td>Gypsum</td><td>35</td><td>320</td></tr> <tr><td>Black Shale</td><td>70</td><td>390</td></tr> <tr><td>Gypsum & Gray Shale</td><td>11</td><td>401</td></tr> <tr><td>Sandstone</td><td>52</td><td>453</td></tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Dry Gravel	40	40	Gray Clay	57	97	Hard Pan	107	204	Red Clay	14	218	Gravel & Sand	3	221	Hard Pan	12	(233)	Gray Shale	7	240	Limestone	25	265	Red Shale	20	285	Gypsum	35	320	Black Shale	70	390	Gypsum & Gray Shale	11	401	Sandstone	52	453	5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ _____ 6 USE: ☐ Domestic ☒ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☒ Commercial ☐ Test Well ☐ _____ 7 CASING: Threaded ☐ Welded ☒ Height: Above/Below Surface _____ ft. Diam. _____ Weight N/A lbs./ft. Drive Shoes? Yes ☒ No ☐ 8 SCREEN: Perforated Liner 5" Type: _____ Dia.: _____ Slot size _____ Length 223' Set between 230 ft. and 453 ft. Fittings: Type K Packer 9 STATIC WATER LEVEL 131 ft. below land surface 10 PUMPING LEVEL below land surface 131 ft. after 4 hrs. pumping 35 g.p.m. No Measurable Draw Down ft. after _____ hrs. pumping _____ g.p.m. 11 WATER QUALITY in Parts Per Million: Iron (Fe) 2 Chlorides (Cl) N/A Hardness 40 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 105 feet N Direction Septic Type Well disinfected upon completion ☒ Yes ☐ No 15 PUMP: ☐ Not installed Manufacturer's Name Flint & Walling Model Number 20ch12 HP 2 Volts 220 Length of Drop Pipe 160 ft. capacity 27 G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating USE A 2ND SHEET IF NEEDED	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																																									
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Gypsum	35	320																																											
Black Shale	70	390																																											
Gypsum & Gray Shale	11	401																																											
Sandstone	52	453																																											
16 Remarks, elevation, source of data, etc. ADDED INFO. BY DRILLER, DEW NO. _____ CORRECTED BY _____ ADDITIONAL P.S. _____		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. A.D. Henton & Sons 0346 REGISTERED BUSINESS NAME REGISTRATION NO. Address Belding Rd Belding Signed R.W. Henton Date 8/17/81 AUTHORIZED REPRESENTATIVE																																											

FEB 05 1980

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

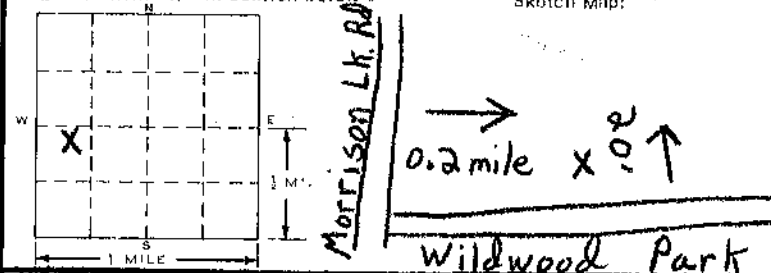
County Ionia Township Name Boston Fraction NE 1/4 NW 1/4 Section Number 36 Town Number 6 Range Number 8 N/E/W.

Distance And Direction from Road Intersections
About 0.2 mile east of Morrison Lk. Rd,
about 20' north of Wildwood Park
736 Wildwood Park, Clarksville

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION THICKNESS OF STRATUM DEPTH TO BOTTOM OF STRATUM

Clay	7	7
Gravel	10	17
Water Sand, Coarse	13	30

3 OWNER OF WELL:

Address

Morris Taber
2856 Renfrew
Ann Arbor, Mi. 48105

4 WELL DEPTH: (completed) Date of Completion

30 ft. 7-17-79

5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☒ Jetted ☐ Bored

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

7 CASING: Threaded ☒ Welded ☐

Diam. 2 in. to 26 ft. Depth 26 ft. Depth 26 ft. Depth
Weight 3.75 lbs./ft. Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Johnson Stainless Dia.: 1 1/4"

Slot/Screen 10 Length 4'

Set between 26 ft. and 30 ft.

Fittings: Close Pattern Shoe, 1 1/4" coupling

9 STATIC WATER LEVEL

15 ft. below land surface

10 PUMPING LEVEL below land surface

22 ft. after 1 hrs. pumping 8 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

50 feet N Direction Septic 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

16 Remarks, elevation, source of data, etc.

Geological Health

Mark Potter,
Driller

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.

Norton Well Service 0727
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 5225 Bivens, Nashville

Signed C. Callahan Norton Date
AUTHORIZED REPRESENTATIVE

DEC 16 1981

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

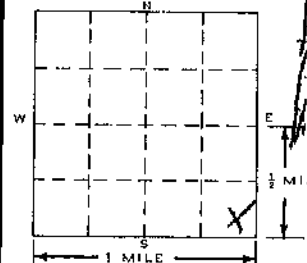
1 LOCATION OF WELL

County IONIA Township Name BOSTON Fraction SW 1/4 SE 1/4 SE 1/4 Section Number 36 Town Number T6 N/8 Range Number R8 E/W.

Distance And Direction from Road Intersections

1/4 mile - WEST ON PORTLAND RD. FROM (M.)
1/8 mile - SOUTH OF PORTLAND RD.
Street address & City of Well Location

Locate with "X" in section below



Sketch Map:

PORTLAND RD
(MORRISON)
LAKE RD

LAKE DA

X

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Top Soil

5

5

Clay -

25

30

Water Sand &

Gravel.

17

47

3 OWNER OF WELL:

WELDON HODGES
Address COTTAGE 82 MORRISON LAKE
SARANAC, MICH

4 WELL DEPTH: (completed) Date of Completion

47 ft. NOV - 25 81

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☒

Height: Above/Below
Surface 1 ft.

Weight 11 lbs./ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Smith Dia.: 3"

Slot/Gauze 755 Length 5 FT

Set between 43 ft. and 47 ft.

Fittings: NIP PACKER PLUG

9 STATIC WATER LEVEL

12 ft. below land surface

10 PUMPING LEVEL below land surface

14 ft. after 1 hrs. pumping 10 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

60 feet W Direction SARAC LAKES Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name Mc DONALDS

Model Number HP 3 Volts 230

Length of Drop Pipe 35 ft. capacity 10 G.P.M.

Type: ☒ Submersible ☐ Jet ☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

CORRECTED BY

ADDITION

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.

CHAPMAN'S W.D. 1766

REGISTERED BUSINESS NAME 6135 River Side SARANAC.

Signed John Chapman Date Dec 1-81

AUTHORIZED REPRESENTATIVE

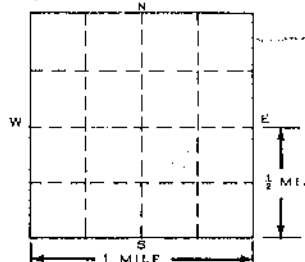
ACT 294 PA 1965

OF
PUBLIC HEALTH

County	Township Name	Fraction	Section Number	Town Number	Range Number
TONIA	23rd STONIA	SE 1/4 NE 1/4 N 1/4	36	6 (N/S)	8 (E/W)

1 mile South - PORTLAND Rd.
GOLF COURSE.

Locate with "X" in section below



Sketch Map:

Sketch Map: Portland Ad.

1904, 1905

39'

3 OWNER OF WELL:

Address COTTAGE 86
MORRISON LA RESORT SPANISH

4 WELL DEPTH: (completed)	Date of Completion
---------------------------	--------------------

58' ft. Oct-7-1981

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐ _____

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

7 CASING: Threaded ☐ Welded ☒ Height: Above/Below
Diam. _____ ft.
____ in. to _____ ft. Depth Weight _____ lbs./ft.
____ in. to _____ ft. Depth Drive Shoes? Yes ☒ No ☐

8 SCREEN:

Type: Tobacco Dia.: 2"
 Slot/Gauze 105 Length 4 1/2
 Set between 34 ft. and 28 ft.
 Fittings: Nip Packer + Photo

9 STATIC WATER LEVEL

21 ft. below land surface

10 PUMPING LEVEL below land surface

30 ft. after 5 hrs. pumping 18 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
70 feet W Direction SEPT Type _____
 Well disinfected upon completion ☒ Yes ☐ No

15 PUMP: ☐ Not installed

Manufacturer's Name Mc Donald's

Model Number _____ HP 1/2 Volts 230

Length of Drop Pipe 40 ft. capacity 10 G.P.M.

Type: ☒ Submersible ☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO.

CORRECTED BY:

~~CONDITION 8~~

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.

HIPPINIA'S W/O 1766
 REGISTERED BUSINESS NAME REGISTRATION NO.

Address 6125 River Side SAKAMAC

Signed Jack P. Korman Date Oct-11-81
 AUTHORIZED REPRESENTATIVE

MAR 26 1980

WATER WELL RECORD

ACT 294 PA 1985

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

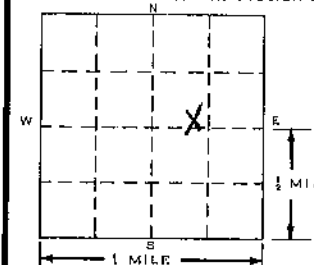
County Ionia	Township Name Boston	Fraction SE 1/4 SW 1/4 NE 1/4	Section Number 36	Town Number 6 N 1/2 E	Range Number 8 N 1/2 W
------------------------	--------------------------------	---	-----------------------------	---------------------------------	----------------------------------

Distance And Direction from Road Intersections

drilled at 161 Shady Lane
Sunset Beach - Morrison lake

Street address & City of Well Location

Locate with "X" in section below



3 OWNER OF WELL:

Warren Blanchard
Address 3066 Bradford N.E.
Grand Rapids, Mi.

4 WELL DEPTH: (completed) Date of Completion

46 ft. 8-21-79

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐6 USE: ☒ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☐7 CASING: Threaded ☐ Welded ☒
Diam. _____ Height: Above/Below
Surface 1 ft.
Weight 11 lbs./ft.
Drive Shoe? Yes ☒ No ☐

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

clay

30

30

sand

16

46

8 SCREEN:

Type: plastic Dia.: 4"
Slot/size .010 Length 10'
Set between 36 ft. and 46 ft.
Fittings:
neoprene rubber

9 STATIC WATER LEVEL

7 ft. below land surface

10 PUMPING LEVEL below land surface

_____ ft. after _____ hrs. pumping _____ 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 ☒ Bury tank
☐ Pitless Adapter ☐ 12" Above Grade13 Well Grouted? ☐ Yes ☒ No☐ Neat Cement ☐ Bentonite ☐

Depth: From _____ ft. to _____ ft.

14 Nearest Source of possible contamination

_____ feet _____ Direction _____ Type _____

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name Fairbanks Morse

Model Number _____ HP 3/4 Volts 220

Length of Drop Pipe 20 ft. capacity _____ G.P.M.

Type: ☒ Submersible☐ Jet☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY

**ADDITION BY

ELEVATION

DEPTH TO ROCK

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.

Karl Geiger Jr., Water Well Const. 0700

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address 5043 Whites Bridge Rd., Belding

Signed

Karl Geiger Jr.
AUTHORIZED REPRESENTATIVE

Date

3-13-80

MAR 26 1990

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

OF
PUBLIC HEALTH

1 LOCATION OF WELL		2 FORMATION		3 OWNER OF WELL:	
County Ionia	Township Name Boston	Section Number 36	Town Number 6	Range Number 8	Range Number 8
Distance And Direction from Road Intersections		4 WELL DEPTH: (completed) Date of Completion 119 ft. 1-3-80			
Street address & City of Well Location Locate with "X" in section below 		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored			
		6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well			
		7 CASING: Threaded ☐ Welded ☒ Height: Above/Surface 1 ft. 4 in. to 110 ft. Depth Weight 1.1 lbs./ft. Drive Shoe? Yes ☒ No ☐			
		8 SCREEN: Type: plastic Dia.: 3" Slot/Screen 10 Length 10' Set between 109 ft. and 119 ft. Fittings: neoprene rubber			
		9 STATIC WATER LEVEL 38 ft. below land surface			
		10 PUMPING LEVEL below land surface _____ ft. after _____ hrs. pumping _____ 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 _____ Type _____ Well disinfected upon completion ☒ Yes ☐ No			
		15 PUMP: ☐ Not installed Manufacturer's Name Fairbanks Morse Model Number _____ HP 3/4 Volts 230 Length of Drop Pipe 60 ft. capacity _____ G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating			
16 Remarks, elevation, source of data, etc. ADDED INFO BY DRILLER, ITEM NO. *CORRECTED BY **ADDITION BY ELEVATION DEPTH TO ROCK		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. Karl Geiger Jr. Water Well Const. 0701 REGISTERED BUSINESS NAME REGISTRATION NO. Address 5043 Whites Bridge Rd., Belding Signed <i>Karl Geiger Jr.</i> Date 3-13-80 AUTHORIZED REPRESENTATIVE			

USE A 2ND SHEET IF NEEDED

JUL 28 1981

WATER WELL RECORD
ACT 294 PA 1966MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

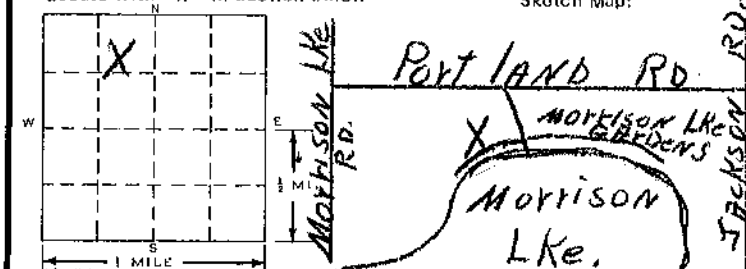
1 LOCATION OF WELL

County IONIA Township Name BOSTON Fraction SW 1/4 NE 1/4 NW 1/4 Section Number 36 Town Number 6 Range Number 8 N.W.

Distance And Direction from Road Intersections APP. 4 MI. E. OF MORRISON LKE RD. 1.6 MI. W. OF JACKSON RD. AT MORRISON LKE GARDENS
Street address & City of Well Location LOT # 18 - SALERAC, MI.

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

Address

Lowell Frazier
Grand Ledge, MI.

4 WELL DEPTH: (completed) Date of Completion

87' ft. 7-13-81

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☒

Diam.

Height: Above/Below
Surface 1 ft.

4 in. to 83 ft. Depth
in. to ft. Depth

Weight 14.0 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: STAINLESS S. Dia.: 4"

Slot/Gauge 20 Length 4'

Set between 83 ft. and 87 ft.

Fittings: 3" Plug 3"x6" NIPP. K. PACKER

9 STATIC WATER LEVEL

40 ft. below land surface

10 PUMPING LEVEL below land surface

40 ft. after 1 hrs. pumping 15 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 ☐ CLAY SLURRY

Depth: From 0 ft. to 30 ft.

14 Nearest Source of possible contamination

30 feet E. Direction Enclosed Sewer

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name FLINT & WALLING

Model Number 5BAS HP 1/2 Volts 230

Length of Drop Pipe 63 ft. capacity 10 G.P.M.

Type: ☒ Submersible

☐ Jet

☐ Reciprocating

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

CLAY	78'	78'
CLAY SAND & Gravel - Cemented	5'	83'
SAND & Gravel w. bkg.	4'	87'

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY

**ADDITION BY

ELEVATION

DEPTH TO ROCK

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.

JAY SWIGER Well DHC. 0047
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 10332 PORTLAND RD CLARKSVILLE, MI

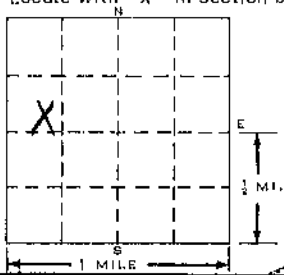
Signed Jay Swiger Date 7-15-81
AUTHORIZED REPRESENTATIVE

JUL 28 1981

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

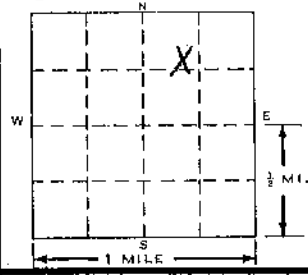
1 LOCATION OF WELL					
County TONIA	Township Name BOSTON	Fraction SW 1/4 NW 1/4	Section Number 36	Town Number 6 N.B.	Range Number 8 E.W.
Distance And Direction from Road Intersections APP. 2 MI. E. OF MORRISON LK. RD. ON PARADISE PARK ST. AT MORRISON LK. S. SIDE OF ST. 771 PARADISE PK. MORRISON LK. SARASOTA MI.			3 OWNER OF WELL: DWAYNE BONES 59666 PATRIOTS WAY E. LANSING, MICHIGAN		
Locate with "X" in section below.  Sketch Map: MORRISON LK. RD. PARADISE PARK			4 WELL DEPTH: (completed) Date of Completion 49 ft. 10-10-80		
2 FORMATION			5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ _____		
			6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ _____		
			7 CASING: Threaded ☐ Welded ☒ Diam. _____ Height: Above/Below Surface 1 ft. Weight 11.0 lbs./ft. Drive Shoes? Yes ☒ No ☐		
			8 SCREEN: Type: Stainless S. Dia.: 4" Slot/Groove .25 Length 4' Set between 45 ft. and 49 ft. Fittings: 3" Plug 3x6" NIPP K. Packer		
CLAY			9 STATIC WATER LEVEL 12 ft. below land surface		
SAND & GRAVEL w/ b.t.c.			10 PUMPING LEVEL below land surface 12 ft. after 2 hrs. pumping 20 g.p.m. ____ ft. after ____ hrs. pumping ____ g.p.m.		
CLAY			11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____ Other _____		
GRAVEL w/ b.t.c.			12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☒ 12" Above Grade		
			13 Well Grouted? ☒ Yes ☐ No ☐ Neat Cement ☐ Bentonite ☐ CLAY Slurry Depth: From 0 ft. to 30 ft.		
			14 Nearest Source of possible contamination 15 feet E Direction Enclosed Sewer Type Well disinfected upon completion ☒ Yes ☐ No		
			15 PUMP: ☐ Not installed Manufacturer's Name FLINT & WALLING Model Number 5888 HP 5 Volts 230 Length of Drop Pipe 31 ft. capacity 20 G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating		
USE A 2ND SHEET IF NEEDED			16 Remarks, elevation, source of data, etc. ADDED INFO BY DRILLER, ITEM NO. *CORRECTED BY **ADDITION BY ELEVATION DEPTH TO ROCK		
			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. JAY SWIGER Well Drilling 0047 REGISTERED BUSINESS NAME REGISTRATION NO. Address 10332 POTLAND RD. CLARKSVILLE, MI. Signed Jay Swiger Date 10-14-80 AUTHORIZED REPRESENTATIVE		

SE 15 1980

WATER WELL RECORD

ACT 294 PA 1985

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

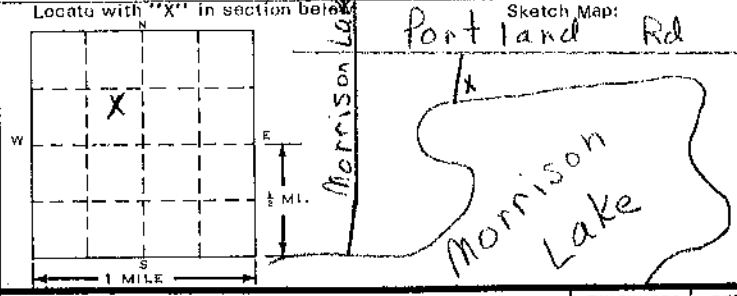
1 LOCATION OF WELL					
County TONIA	Township Name BOSTON	Fraction SE 1/4 NW 1/4	Section Number 36	Town Number 6 N/8	Range Number 8 E/W.
Distance And Direction from Road Intersections APP. 1.3 mi. W. OF JACKSON RD. 1.7 mi. E. OF MORRISON LK. RD. ON MORRISON LK. GARDENS S. SIDE					
Sketch Map: 					
3 OWNER OF WELL: Address: HAROLD HASMIUS 60 MORRISON LK. GARDENS SARASOTA, MICHIGAN					
4 WELL DEPTH: (completed) 64 ft. Date of Completion 4-19-80					
5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐					
6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐					
7 CASING: Threaded ☐ Welded ☒ Height: Above/Below Surface 1 ft. Diam. 4 in. to 60 ft. Depth 10.29 lbs./ft. Weight in. to ft. Depth Drive Shoe? Yes ☒ No ☐					
2 FORMATION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM	
CLAY SOFT		12		12	
CLAY W. STRIPES OF					
W. G.G. SILT		23		35	
CLAY HARD		21		56	
SAND W. G.G.		8		64	
8 SCREEN: Type: STAINLESS STEEL 4" Slot/Gauge 12 Length 4' Set between 60 ft. and 64 ft. Fittings: 3" PLUG 3"x6" NIPP K. PACKET					
9 STATIC WATER LEVEL 32 ft. below land surface					
10 PUMPING LEVEL below land surface 32 ft. after 2 hrs. pumping 20 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 ☐ CLAY SLURRY Depth: From 0 ft. to 30 ft.					
14 Nearest Source of possible contamination 50 feet N Direction Public Sewer Well disinfected upon completion ☒ Yes ☐ No					
15 PUMP: ☐ Not installed Manufacturer's Name FLINT & WALLING Model Number 5B88 HP 1/2 Volts 230 Length of Drop Pipe 51 ft. capacity 10 G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating					
16 Remarks, elevation, source of data, etc. ADDED INFO BY DRILLER, ITEM NO. CORRECTED BY ADDITION BY ELEVATION DEPTH TO ROCK					
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. JAY SURGER Well DR16. 0047 REGISTERED BUSINESS NAME REGISTRATION NO. Address 10332 PORTLAND RD. CHARLTON, MI. Signed Jay Surger Date 4-21-80 AUTHORIZED REPRESENTATIVE					

AUG 05 1980

WATER WELL RECORD

ACT 294 PA 1985

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		3 OWNER OF WELL			
County Ionio	Township Name Boston	Fraction ne ¼ sw ¼ nw ¼	Section Number 36	Town Number 6 N.W.	Range Number 8 E.W.
Distance And Direction from Road Intersections		Address Charles Burkett 70 Morrison Lake Gardens Saranac, Mi. 48881			
Street address & City of Well Location Locate with "X" in section below		4 WELL DEPTH: (completed) Date of Completion 91 ft. 4-2-80			
 Sketch Map: Portland Rd Morrison Lake Jackson		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐			
		6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐			
2 FORMATION		7 CASING: Threaded ☐ Welded ☒ Height: Above/Below Surface 1 ft.			
clay & hard ground		THICKNESS OF STRATUM 75	DEPTH TO BOTTOM OF STRATUM 75	4 in. to 75.5 Depth in. to _____ ft. Depth	
sand		16	91	Weight 11 lbs./ft. Drive Shoe? Yes ☒ No ☐	
RECEIVED JUL 28 1980 IONIA COUNTY HEALTH DEPT. IONIA, MICH.		8 SCREEN: Type: plastic Dia.: 4" Slot/Screen .008 Length 16'6" Set between 74.5 ft. and 91 ft. Fittings: neoprene rubber			
		9 STATIC WATER LEVEL 30' ft. below land surface			
		10 PUMPING LEVEL below land surface _____ ft. after _____ hrs. pumping _____ 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 _____ foot _____ Direction _____ Type _____ Well disinfected upon completion ☒ Yes ☐ No			
		15 PUMP: ☐ Not installed Manufacturer's Name Aermotor Model Number _____ HP ½ Volts 230 Length of Drop Pipe 70 ft. capacity _____ G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating			
16 Remarks, elevation, source of data, etc. ADDED INFO BY DRILLER ITEM NO. *CORRECTED BY **ADDITION BY ELEVATION DEPTH TO ROCK		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. Karl Geiger Jr. Water Well Const. 0700 REGISTERED BUSINESS NAME REGISTRATION NO. Address 5043 Whites Bridge Rd., Belding Signed <i>Karl Geiger Jr.</i> Date 7-25-80 AUTHORIZED REPRESENTATIVE			

SEP 25 1980

WATER WELL RECORD

ACT 294 PA 1985

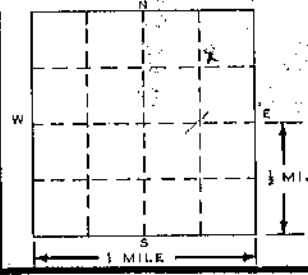
MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
IONIA		BOSTON		NE 1/4 SW 1/4 NE 1/4		36		6 (N/S.)		8 (E/W)			
Distance And Direction from Road Intersections 1/2 mi WEST OF MORRISON LK RD 1/2 mi EAST OF JACKSON RD, 700' OFF PORTLAND RD Street address & City of Well Location: LIFT STATION E1 MORRISON													
Locate with "X" in section below													
Sketch Map: LAKE													
2 FORMATION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:							
CLAY, SAND		45		45		FRANKLIN HULWEROA CO.							
SAND SOME WATER		2		47		Address: 2509 29TH ST S.W.							
CLAY		35		82		WYOMING MICH 49509							
SAND, SOME WATER		2		84		4 WELL DEPTH: (completed) Date of Completion							
CLAY		12		96		105' ft. 6-30-80							
CLAY, SILTY		4		100		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug							
SAND, GRAVEL W, BRNG		5		105		☐ Hollow rod ☐ Jetted ☐ Bored ☐							
						6 USE: ☐ Domestic ☐ Public Supply ☐ Industry							
						☐ Irrigation ☐ Air Conditioning ☐ Commercial							
						☐ Test Well ☒ LUBRICATION + COOLING							
						7 CASING: Threaded ☐ Welded ☒ Height: Above/Below							
						Diam. 4 in. to 100 ft. Depth							
						Surface 1 ft.							
						Weight 11.0 lbs./ft.							
						Drive Shoe? Yes ☒ No ☐							
						8 SCREEN: J. SMITH							
						Type: STAINLESS Dia.: 4 in.							
						Slot/Groove 18 Length 4"							
						Set between 101 ft. and 105 ft.							
						Fittings: K-PACKER 6" NIPPLE 3' PLUG							
						9 STATIC WATER LEVEL							
						9 ft. below land surface							
						10 PUMPING LEVEL below land surface							
						12 ft. after 2 hrs. pumping 15 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 Grado							
						13 Well Grouted? ☒ Yes ☐ No							
						☐ Neat Cement ☐ Bentonite							
						Depth: From ft. to ft.							
						14 Nearest Source of possible contamination							
						12 feet SOUTH Direction SEWER LINE 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							
						☐ Jot ☐ Reciprocating							
USE A 2ND SHEET IF NEEDED													
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.													
CONRAD WELL REPAIR 1762													
REGISTERED BUSINESS NAME REGISTRATION NO.													
Address 4350 NODDINS BLDG, MI													
Signed P. O. Conrad Date 9-2-80													
AUTHORIZED REPRESENTATIVE													



OCT 05 1979

WATER WELL RECORD
ACT 294 PA 1965MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL					
County Ionia	Township Name Boston	Fraction SW 1/4 NE 1/4 NE 1/4	Section Number 36	Town Number 6 N/2	Range Number 8 E/W.
Distance And Direction from Road Intersections Well located 700' W of Jackson Rd and 30' N of Shady Lane Dr.			3 OWNER OF WELL: Bill Desgranges		
Street address & City of Well Location Locate with "X" in section below			Address 40 Shady Lane Dr. Lake Odessa, MI		
Sketch Map: 			4 WELL DEPTH: (completed) Date of Completion 47 ft. 5/30/79		
2 FORMATION			5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug		
			☐ Hollow rod ☐ Jetted ☐ Bored ☐		
			6 USE: ☒ Domestic ☐ Public Supply ☐ Industry		
			☐ Irrigation ☐ Air Conditioning ☐ Commercial		
			☐ Test Well ☐		
			7 CASING: Threaded ☒ Welded ☐ Height: Above/GROW Surface 1 ft.		
			Diam. 4 in. to 43 ft. Depth Weight 11 lbs./ft.		
			in. to _____ ft. Depth Drive Shoe? Yes ☒ No ☐		
			8 SCREEN:		
			Type: Johnson SS Dia.: 4"		
			Slot/CORR 15 Length 4'		
			Set between 43 ft. and 47 ft.		
			Fittings: K-packer & plug		
			9 STATIC WATER LEVEL		
			30 ft. below land surface		
			10 PUMPING LEVEL below land surface		
			_____ ft. after _____ hrs. pumping _____ g.p.m.		
			_____ ft. after _____ hrs. pumping _____ g.p.m.		
			11 WATER QUALITY in Parts Per Million:		
			Iron (Fe) _____ Chlorides (Cl) _____		
			Not Tested		
			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		
			80 feet W Direction SEPTIC Type		
			Well disinfected upon completion ☒ Yes ☐ No		
			15 PUMP:		
			☐ Not installed		
			Manufacturer's Name Mint & Walling		
			Model Number 5044 HP 1/2 Volts 230		
			Length of Drop Pipe 32 ft. capacity 10 G.P.M.		
			Type: ☒ Submersible		
			☐ Jet ☐ Reciprocating		
16 Remarks, elevation, source of data, etc. *ADDED INFO BY DRILLER, ITEM NO. *CORRECTED BY **ADDITION BY ELEVATION DEPTH TO ROCK			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. G.L. Snice Well Drllg. 1188 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mich. Signed Gerald L. Snice Date 9/24/79 AUTHORIZED REPRESENTATIVE		

OF
PUBLIC HEALTH

County	Township Name	Fraction	Section Number	Town Number	Range Number
St. Louis	Clinton	$\frac{1}{4}$ NW $\frac{1}{4}$ Sec 14	35	6 N	8 E

Portland Rd

0.5 mile

0.2

well

[illegible]

cloudy - sun	5'	5'
clear	12'	12'
dry - dry	11'	23'
cloudy - very fine	3'	31'
dry - dry	6'	37'
cloudy - very fine	2'	39'
dry - fine and air	11'	50'
cloudy - fine to air	10'	61'
cloudy - fine to air	13'	60'

Address 4470 Glenbrook, N.Y.
Con Edison, N.Y. 10024

10 ft. depth = 11.1000

5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐

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

Diam. _____

_____ in. to _____ ft. Depth

_____ in. to _____ ft. Depth

Surface _____ ft.

Weight _____ lbs./ft.

Drive Shoe? Yes ☒ No ☐

Fittings: 30° 3/4" x 1/2" 1/2" x 1/2"

1.5 ft. below land surface

10 ft. after 5 hrs. pumping 10 g.p.m.

_____ ft. after _____ hrs. pumping _____ g.p.m.

Iron (Fe) 10 Chlorides (Cl) 10

Hardness _____ Other _____

☐ In Approved Pit☐ Pitless Adapter ☐ 12" Above Grade☐ Neat Cement ☐ Benton

Depth: From _____ ft. to _____ ft.

50 feet 40 Direction stable Type

Well disinfected upon completion ☒ Yes ☐ No

 Not installed

Manufacturer's Name _____

Model Number _____ HP _____ Volts _____

Length of Drop Pipe _____ ft. capacity _____ G.P.M.

Type: ☐ Submersible

☐ Jet ☐ Reciprocating

USE A 2ND SHEET IF NEEDED

ADDED COPY BY DRILLER, ITEM NO.

*CONTROLLED BY

* * * CONTINUED BY

ELEVATION

DEPTN TO ROCK

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address: 7000 15th Avenue, Suite 100, Denver, CO 80202

Signed James H. Newman
AUTHORIZED REPRESENTATIVE

Date _____

SEP 22 1978

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

OF
PUBLIC HEALTH

1 LOCATION OF WELL

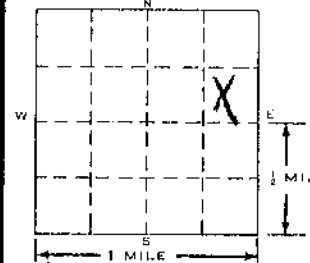
County <u>Jonia</u>	Township Name <u>Boston</u>	Fraction <u>1/4</u>	Section Number <u>36</u>	Town Number <u>6 N.S.</u>	Range Number <u>8 E.W.</u>
------------------------	--------------------------------	------------------------	-----------------------------	------------------------------	-------------------------------

Distance And Direction from Road Intersections
1/4 Mile South of Portland Rd.
1/8 Mile West of Jackson Rd.
Same

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay	31	31
Sandy Clay & Gravel	25	56
Sand & Gravel	28	84

3 OWNER OF WELL:

Bob Sumner

Address **176 Shadylane Rd.**
Lk Odessa Michigan

4 WELL DEPTH: (completed) Date of Completion

84 ft. **6-9-78**

5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☐ Height: Above/Below

4 in. to **77** ft. Depth
 Surface _____ ft.
 Weight _____ lbs./ft.
 Drive Shoe? Yes ☐ No ☐

8 SCREEN:

Type: **Stainless** Dia.: **4**
 Slot/Gauze **25** Length **4'**
 Set between **78** ft. and **82** ft.

Fittings:
K Packer & Shanks Top & Bottom

9 STATIC WATER LEVEL

14 ft. below land surface

10 PUMPING LEVEL below land surface

_____ ft. after _____ hrs. pumping _____ g.p.m.
Not Required
 _____ ft. after _____ hrs. pumping _____ g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) _____ Chlorides (Cl) _____

Hardness _____ **Not Required**
 Other _____

12 WELL HEAD COMPLETION: ☐ In Approved Pit

☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted? ☒ Yes ☐ No

☐ Neat Cement ☒ Bentonite ☐

Depth: From **0** ft. to **77** ft.

14 Nearest Source of possible contamination

50 feet **W** Direction **Septic** Type
 Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name **Flint & Walling**

Model Number **5B48** HP **1/4** Volts **230**

Length of Drop Pipe **42** ft. capacity **400 G.P.H.**

Type: ☒ Submersible

☐ Jet

☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY

**ADDITION BY

ELEVATION

DEPTH TO BASE

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.

Maurer & Parks Well Drilling Inc. 0383

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **4700 N East St, Lansing Mich 48906**

Signed **Eugene Maurer** Date **6-30-78**

AUTHORIZED REPRESENTATIVE

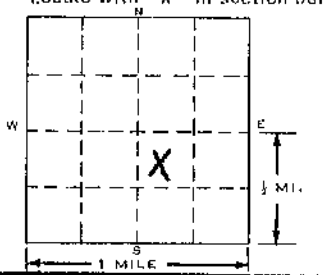
JAN 23 1978

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

OF
PUBLIC HEALTH

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
IONIA		BOSTON		SE 1/4		36		6		N/4		8 E/W.	
Distance And Direction from Road Intersections approx 1/2 M. S. of Portland rd 1/2 M. N. of Goodenote rd. on Jackson rd. E. side of rd 1/2 mile													
Address & City of Well Location 289 Dausman Park, Morrison Lk.													
Locate with "X" in section below				Sketch Map:				3 OWNER OF WELL: Orville McKay Address 1775 Gee Dr. Lowell, Mi.					
								4 WELL DEPTH: (completed) Date of Completion 132 ft. Aug. 1977					
								5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐					
								6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐					
								7 CASING: Threaded ☐ Welded ☒ Height: Above ground Surface 10.79 ft. 4 in. to 128 ft. Depth Weight 10.79 lbs./ft. in. to ft. Depth Drive Shoe? Yes ☒ No ☐					
2 FORMATION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		8 SCREEN: Type: Stainless Steel Dia.: 4" Slot: # 20 Length 4" Set between 128 ft. and 132 ft. Fittings: ☒ packer 3" plug					
Clay				30		30		9 STATIC WATER LEVEL 3 ft. above land surface					
Clay streaked with water bearing sand				98		128		10 PUMPING LEVEL below land surface 12 ft. after hrs. pumping 10 g.p.m.					
Sand & gravel water bearing				4		132		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 ☒ Clay slurry Depth: From 0 ft. to 30 ft.					
								14 Nearest Source of possible contamination 60 foot N Direction Septic Type Well disinfected upon completion ☒ Yes ☐ No					
								15 PUMP: ☐ Not installed Manufacturer's Name Flint & Walling Model Number H4/3 Volts 230 Length of Drop Pipe 30 ft. capacity 10 G.P.M. Type: ☒ Submersible ☐ Jet ☐ Reciprocating					
ADDED INFO BY DRILLER, ITEM NO.													
*CORRECTED BY													
**ADDITION BY													
ELEVATION													
DEPTH TO ROCK													
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. J. SWIGER WELL DRILLING 0047 REGISTERED BUSINESS NAME REGISTRATION NO. Address 10332 Portland Rd., Clarksville, Mi. Signed Jay Swiger AUTHORIZED REPRESENTATIVE Date Sept. 12, 1977					

3 MAR 2 1977

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County XXXXXX Ionia	Township Name Boston	Fraction No 1/4 Nw 1/4 Nw 1/4	Section Number 36	Town Number T6N	Range Number R8W
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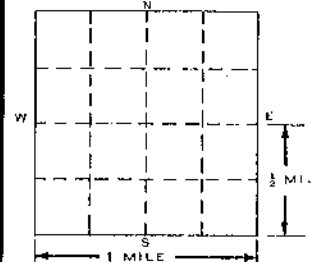
Distance And Direction from Road Intersections

**30 ft. South of Lake Gardens Drv. and
1/2 Mile South of Portland Rd.**

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

Mr. Ray AllenAddress **66 Morrison Lake Gardens
Saranac, Mich.**

4 WELL DEPTH: (completed) Date of Completion

69 ft. 12-28-765 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐6 USE ☒ Domestic ☐ Public Supply ☐ Industry
☐ Irrigation ☐ Air Conditioning ☐ Commercial
☐ Test Well ☐7 CASING: Threaded ☐ Welded ☒ Height: Above ~~XXXX~~
Diam. Surface **1** ft.**4** in. to **69** ft. Depth Weight **11** lbs./ft.in. to ft. Depth Drive Shoe? Yes ☐ No ☐

8 SCREEN:

Type: **s/s** Dia: **4 in.**Slot ~~XXXX~~ **10** Length **5 ft.**Set between **64** ft. and **69** ft.Fittings: **K-Packer**

9 STATIC WATER LEVEL

25 ft. below land surface

10 PUMPING LEVEL below land surface

25 ft. after **1** hrs. pumping **30** g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) Chlorides (Cl)

Hardness Other

12 WELL HEAD COMPLETION: ☐ In Approved Pit☒ Pitless Adaptor ☐ 12" Above Grade13 Well Grouted? ☐ Yes ☒ No☐ Neat Cement ☐ Bentonite

Depth: From ft. to ft.

14 Nearest Source of possible contamination

50 feet **S.** Direction **Septic** TypeWell disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name **Rapidayton**Model Number **5P37** HP **1/2** Volts **220**Length of Drop Pipe **55** ft. capacity **10** G.P.M.Type: ☒ Submersible☐ Jet☐ Reciprocating

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM**Brwon Sand-Dry****8****8****Gray Clay****5****13****Brown Sand- W.B.****21****34****Gray Clay****26****60****Brown Sand-Water Bearing****9****69**

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY **JK**

**ADDITION BY

ELEVATION

DEPTH TO ROCK

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.**E.D. Richard Well Drilling 0432**

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **R.R. # 3 Lowell, Mich.**Signed **E.D. Richard**

AUTHORIZED REPRESENTATIVE

Date **2-5-77**

JAN 23 1978

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		Township Name		Fraction		Section Number		Town Number		Range Number	
TONIA		BOSTON		NW 1/4 NE 1/4		36		6N N/S.		8W E/W.	
Distance And Direction from Road Intersections											
Approx. .6 mi. east of Morrison Lk. Rd. - .4 mi. W of Jackson Rd. on Portland Rd. Morrison Lake Gardens											
Street address & City of Well Location											
2010 Edwin Place, Lansing, Mi. 48910											
3 OWNER OF WELL:											
Bruce Enyart											
2010 Edwin Place											
Lansing, Mi. 48910											
4 WELL DEPTH: (completed) Date of Completion											
75 ft. June 1977											
5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug											
☐ Hollow rod ☒ Jetted ☐ Bored ☐											
6 USE: ☒ Domestic ☐ Public Supply ☐ Industry											
☐ Irrigation ☐ Air Conditioning ☐ Commercial											
☐ Test Well ☐											
7 CASING: Threaded ☒ Welded ☐ Height: Above/Below											
Diam. _____ ft.											
Surface _____ ft.											
Weight _____ lbs./ft.											
Drive Shoe? Yes ☐ No ☐											
8 SCREEN:											
Type: <u>Stainless steel</u> Dia.: <u>1 1/4"</u>											
Slot/Screen <u>#10</u> Length <u>4'</u>											
Set between <u>71</u> ft. and <u>75</u> ft.											
Fittings: <u>1 1/4" x 2" pip & K packer at top of screen</u>											
9 STATIC WATER LEVEL											
<u>14</u> ft. below land surface											
10 PUMPING LEVEL below land surface											
<u>14</u> ft. after <u>1</u> hrs. pumping <u>10</u> 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 Adaptor ☐ 12" Above Grade											
13 Well Grouted? ☐ Yes ☒ No											
☐ Neat Cement ☐ Bentonite ☐											
Depth: From _____ ft. to _____ ft.											
14 Nearest Source of possible contamination											
<u>50</u> feet <u>S</u> Direction <u>Septic</u> Type											
Well disinfected upon completion ☒ Yes ☐ No											
15 PUMP: ☐ Not installed											
Manufacturer's Name <u>F & W</u>											
Model Number <u>CPT</u> <u>H1/2</u> Volts <u>230</u>											
Length of Drop Pipe <u>42</u> ft. capacity _____ G.P.M.											
Type: ☐ Submersible ☒ Jot ☐ Reciprocating											
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.											
<u>J. SWIGER WELL DRILLING</u> <u>0047</u>											
REGISTERED BUSINESS NAME REGISTRATION NO.											
Address <u>10332 Portland Rd., Clarksville, Mi.</u>											
Signed <u>Jay Swiger</u> Date <u>July, 1977</u>											
AUTHORIZED REPRESENTATIVE											

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY

**ADDITION BY

ELEVATION

DEPTH TO ROCK

USE A 2ND SHEET IF NEEDED

RECEIVED
MICH. DEPT. OF PUBLIC HEALTH

JAN 10 1978

Bureau of Environmental and

FEB 20 1976

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County **Ionia** Township Name **Comstock Boston** Fraction **SE - SW SW** Section Number **36** Town Number **6** Range Number **8 N.W.**

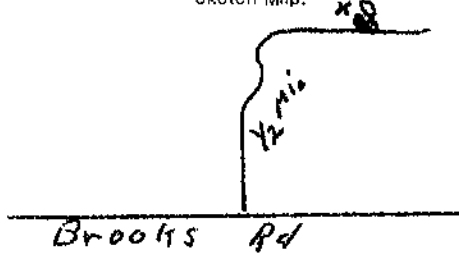
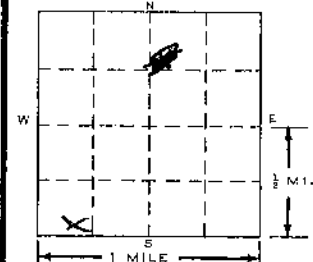
Distance And Direction from Road Intersections

Well located $\frac{1}{2}$ mi. N. of Brooks Rd.
at 573 Brooks Landing Morrison Lk.

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

Address

Phillip Deemer
1017 Harvest Lane
Lansing, Mi.

4 WELL DEPTH: (completed) Date of Completion

147 ft. **1/20/76**

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jatted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☒

Height: Above/below
Surface **1** ft.

4 in. to **142** ft. Depth
in. to ft. Depth

Weight **11** lbs./ft.

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: **plastic** Dia.: **4"**

Slot/Screen **10** Length **5'**

Set between **142** ft. and **147** ft.

Fittings: **K packer**

9 STATIC WATER LEVEL

flows ft. below land surface

10 PUMPING LEVEL below land surface

ft. after hrs. pumping g.p.m.

ft. after hrs. pumping g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) Chlorides (Cl)

not tested

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

52 foot **W** Direction **drain field** Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name **Flint & Walling**

Model Number **5BA8** HP **1** Volts **230**

Length of Drop Pipe **63** ft. capacity **10** G.P.M.

Type: ☒ Submersible

☐ Jet

☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY **JL**

**ADDITION BY

ELEVATION

DEPTH TO ROCK

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.

G.L. Seese Well Drlg. **1183**

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **RR Clarksville Mi. 48815**

Signed

Gerald Seese
AUTHORIZED REPRESENTATIVE

Date **2/12/76**

JUN 29 1972

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

D67d 100M (Rev. 12-68)

36-5

WATER WELL RECORD

ACT 294

PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County TANIA Township Name Boston Fraction 1/4 NE 1/4 Section Number 36 Town Number 6 Range Number 8 N. W.

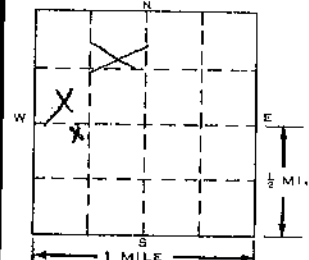
Distance And Direction from Road Intersections

MORRISON LANEROBERT AREA

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

ARTHUR BUTTERS

Address

779 PARADISE PK

4 WELL DEPTH: (completed) Date of Completion

65 ft. 18 Dec 695 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug☐ Hollow rod ☐ Jetted ☐ Bored ☐6 USE: ☒ Domestic ☐ Public Supply ☐ Industry☐ Irrigation ☐ Air Conditioning ☐ Commercial☐ Test Well ☐7 CASING: Threaded ☐ Welded ☒Diam. Height: Above/Below Surface 1 ft.Weight 10.77 lbs./ft.Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: JOHANSON Dia.: 3"Slot/Grate 10 Length 4'Set between 61 ft. and 65 ft.Fittings: 1/2" PARKER NIPPLE

9 STATIC WATER LEVEL

15 ft. below land surface

10 PUMPING LEVEL below land surface

N/A ft. after N/A hrs. pumping N/A g.p.m.

11 WATER QUALITY in Parts Per Million:

Iron (Fe) N/A Chlorides (Cl) N/AHardness N/A Other N/A12 WELL HEAD COMPLETION: ☐ In Approved Pit☐ Pitless Adapter ☒ 12" Above Grade13 Well Grouted? ☐ Yes ☒ No☐ Neat Cement ☐ Bentonite ☐Depth: From ft. to ft.

14 Nearest Source of possible contamination

54 feet FAST Direction SOUTHWEST TypeWell disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name WELBETModel Number HP 3/4 Volts 230Length of Drop Pipe 63 ft. capacity G.P.M.Type: ☒ Submersible☐ Jet☐ Reciprocating

16 Remarks, elevation, source of data, etc.

WELL LOCATED 2' OFFPARADISE PKLetter of APP. HAS BEENOBTAINED & CORRECTION BY

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.

W.B. HEALAN & SONS 0346

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address 3143 MAHARSigned W.B. Healan

AUTHORIZED REPRESENTATIVE

Date 19 Dec 69

FEB 23 1970

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

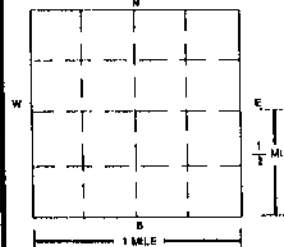
County **Ionia** Township Name **Boston** Fraction **SE 1/4 NW 1/4 SE 1/4** Section No. **36** Town No. **6N** Range No. **8W**

Distance and Direction from Road Intersection

Street Address & City of Well Location **283 Dausman Park, Clarksville**

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Gravel	04	04
Gray clay with gravel	111	115
Gravel	12	127
Gray clay with gravel	21	148
Red shale	01	156
Gray shale	01	157
Red shale	03	160
White gypsum	01	161
Gray shale	02	163
Red shale	03	166
Purple shale	03	169
Green shale	05	174
White gypsum	14	188
Purple and gray shale	08	196

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in. Depth _____ ft.

PLUGGING MATERIAL:

☐ Neat Cement ☐ Bentonite Slurry
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips

No. of Bags _____ Casing Removed? ☐ Yes ☐ No

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

3. OWNER OF WELL

Address **Ronald Goostrey**
2492 W. Kalama Highway
Charlotte 48813

Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

196 ft.

Date Completed

3 / 9 / 96

☐ New Well☐ Replacement Well5. ☐ 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☒ Vertical Loop

7. CASING:

☐ Steel☐ Threaded☐ Plastic☐ Welded☒ Other none

Height: Above/Below

Surface: _____ ft.

Diameter: _____ in. to _____ ft. depth

Weight: _____ lbs./ft.

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: 5 7/8 in. to 196 ft. depth

_____ in. to _____ ft. depth

☐ Drive Shoe☐ Shale Packer8. 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:

_____ ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____ hrs. Pumping at _____ 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 192 ft.

☐ Neat Cement☐ Bentonite☐ Other _____

No. of Bags 13 Additives Quik Grout

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type Sewer Distance 10+ ft. Direction W

Type _____ Distance _____ ft. Direction _____

14. PUMP: ☒ Not Installed☐ Pump Installation Only

Manufacturer's Name _____

Model Number _____

HP _____

Volts _____

Length of Drop Pipe _____ ft. Capacity _____ G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other _____

PRESSURE TANK:

Manufacturer's Name _____

Model Number _____

Capacity _____

Gallons _____

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.

Dyer Well Drilling & Service, Inc. 0418

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Laingsburg 48848-0370

Signed

AUTHORIZED REPRESENTATIVE

Date

3/1/96

Authority: Act 368 PA 1978
 Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

GEOLOGICAL SURVEY COPY

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

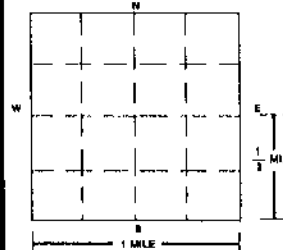
County Ionia	Township Name Boston	Fraction SE 1/4 NW 1/4 SE 1/4	Section No. 36	Town No. 6N	Range No. 8W
------------------------	--------------------------------	---	--------------------------	-----------------------	------------------------

Distance and Direction from Road Intersection

Street Address & City of Well Location **283 Dausman Park, Clarksville**

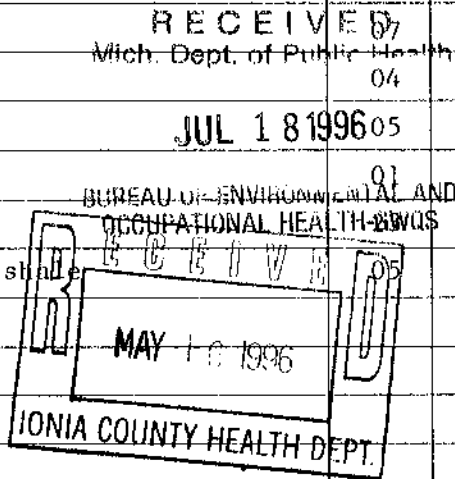
Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Gravel	04	04
Gray clay with gravel	112	116
Gravel	12	128
Gray clay with gravel	22	150
Red shale	07	157
White gypsum	04	161
Gray shale	05	166
Green shale	01	167
White gypsum	23	190
Purple and gray shale	05	195



USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in. Depth _____ ft.

PLUGGING MATERIAL:

☐ Neat Cement ☐ Bentonite Slurry
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips
No. of Bags _____ Casing Removed? ☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ SubcontractorName **Kevin Ouellette, Steve**

3. OWNER OF WELL

 Address **Ronald Goostrey**
2492 W. Kalama Highway
Charlotte 48813
Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

195 ft.

Date Completed

3 / 8 / 96

☐ New Well☐ Replacement Well5. ☐ Cable Tool☒ Rotary☐ Driven☐ Dug☐ Hollow Rod☐ Auger/Bored☐ Jettied6. USE: ☐ Household☐ Type I Public☐ Type III Public☐ Irrigation☐ Type IIa Public☒ Heat Pump☐ Test Well☐ Type IIb Public☒ Vertical Loop7. CASING: ☐ Steel☐ Threaded

Height: Above/Below

☐ Plastic☐ Welded

Surface: _____ ft

☒ Other none

Diameter: _____ in. to _____ ft. depth

Weight: _____ lbs./ft.

_____ in. to _____ ft. depth

BORE HOLE:

Diameter **5 7/8** in. to **195** ft. depth☐ Drive Shoe☐ Shale Packer

_____ in. to _____ ft. depth

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:

_____ ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____ hrs. Pumping at _____ G.P.M.

☐ Plunger☐ Bailor☐ Air☐ Test Pump

11. WELL HEAD COMPLETION:

☐ Pitless Adapter☐ 12" Above Grade☐ Basement Offset☐ Well House12. WELL GROUTED? ☐ No☒ YesFrom **0** to **190** ft.☐ Neat Cement☐ Bentonite☐ Other _____No. of Bags **13**Additives **Quik Grout**

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type **Sewer**Distance **10+** ft.Direction **W**

Type _____

Distance _____ ft.

Direction _____

14. PUMP: ☒ Not Installed☐ Pump Installation Only

Manufacturer's Name _____

Model Number _____

HP _____

Volts _____

Length of Drop Pipe _____ ft.

Capacity _____ G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other _____

PRESSURE TANK:

Manufacturer's Name _____

Model Number _____

Capacity _____

Gallons _____

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.

Dyer Well Drilling & Service, Inc. 0418

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **Laingsburg 48848-0370**Signed **Michael Dyer**Date **3/11/96**

GEOLOGICAL SURVEY COPY

 Authority: Act 355 PA 1975
 Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

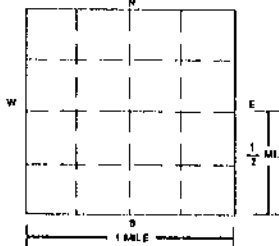
County
IoniaTownship Name
BostonFraction
SE 1/4 NW 1/4 SE 1/4Section No.
36Town No.
6NRange No.
8W

Distance and Direction from Road Intersection

Street Address & City of Well Location 283 Dausman Park, Clarksville

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Gravel	23	23
Gray clay with gravel	86	109
Gravel	18	127
Gray clay with gravel	24	151
Red shale	158	158
White gypsum	03	161
Gray shale	01	162
Red shale	167	167
Green shale	05	172
White gypsum	188	188
Purple shale	189	189

RECEIVED
Mich. Dept. of Public Health
JUL 18 1996

BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-SWCS

RECEIVED
MAY 16 1996
IONIA COUNTY HEALTH DEPT.

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in. Depth _____ ft.

PLUGGING MATERIAL:

☐ Neat Cement ☐ Bentonite Slurry☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite ChipsNo. of Bags _____ Casing Removed? ☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ SubcontractorName Kevin Ouellette, Steve

3. OWNER OF WELL

Address Ronald Goostrey
2492 W. Kalamo Highway
Charlotte 48813Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

189 ft.

Date Completed

3 / 7 / 96☐ New Well☐ Replacement Well5. ☐ 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☒ Vertical loop

7. CASING:

☐ Steel☐ Threaded

Height: Above/Below

☐ Plastic☐ Welded

Surface: _____ ft.

☒ Other none

Diameter: _____ in. to _____ ft. depth

_____ in. to _____ ft. depth

Weight: _____ lbs./ft.

BORE HOLE:

Diameter: 5 7/8 in. to 189 ft. depth

_____ in. to _____ ft. depth

☐ Drive Shoe☐ Shale Packer

8. SCREEN:

☒ Not Installed☐ Gravel-Packed

Type _____

Diameter _____

Slot/Gauge _____

Length: _____

Set Between _____ ft. and _____ ft.

FITTINGS:

☐ K-Packer☐ Bremer Check☐ Blank Above Screen _____ ft. Other _____

9. STATIC WATER LEVEL:

_____ ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____ hrs. Pumping at _____ 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 ☒ YesFrom 0 to 185 ft.☐ Neat Cement☐ Bentonite☐ Other _____No. of Bags 13Additives Quik Grout

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type SewerDistance 10+ ft. Direction W

Type _____

Distance _____ ft. Direction _____

14. PUMP:

☒ Not Installed☐ Pump Installation Only

Manufacturer's Name _____

Model Number _____

HP _____

Volts _____

Length of Drop Pipe _____ ft.

Capacity _____

G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other _____

PRESSURE TANK:

Manufacturer's Name _____

Model Number _____

Capacity _____

Gallons _____

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.

Dyer Well Drilling & Service, Inc. 0418

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Laingsburg 48848-0370Signed Richard Dyer

AUTHORIZED REPRESENTATIVE

Date 3/11/96

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1976
Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMIT NO:

WATER WELL AND PUMP RECORD

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

1/4 1/4 1/4

Section No.

36

Town No.

6

Range No.

43

Distance and Direction from Road Intersection

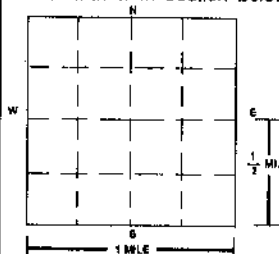
Well located 1/4 mile N. of Goodemote Rd. at 396 Breezy Point

396 Breezy Point

Street Address & City of Well Location

Clarksville

Locate with 'x' in Section Below



Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Sand & Gravel

9

9

Clay

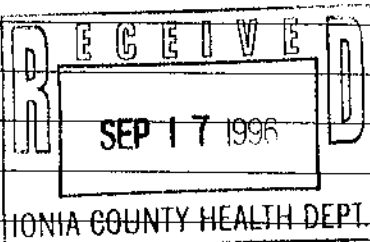
20

35

Sand

5

43

RECEIVED
Mich. Dept. of Public Health

NOV 23 1996

USE A 2ND SHEET IF NEEDED

BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-SWQS

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in.

Depth _____ ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☐ Bentonite Chips

No. of Bags _____

Casing Removed?

☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name

Timothy Seese

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.

Seese Well Drilling Co.

34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address

Clarksville, MI 48815

Signed

Timothy Seese
AUTHORIZED REPRESENTATIVE

Date

9-12-96

3. OWNER OF WELL

Address 396 Breezy Point

Clarksville, MI

48815

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

43 ft.

Date Completed

09/09/96

☐ New Well☒ Replacement Well5. ☐ 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☐ OtherHeight: Above/Below
Surface: _____ ft.

Diameter: _____ in. to _____ ft. depth

5 in. to 39 ft. depth

Weight: SDR-21 lbs./ft.

BORE HOLE:

Diameter: 8 in. to 39 ft. depth

_____ in. to _____ ft. depth

☐ Drive Shoe☐ Shale Packer8. SCREEN: ☐ Not Installed☒ Gravel-Packed

Type STAINLESS S.

Diameter 4"

Slot/Gauze 12

Length: 4"

Set Between 39 ft. and 43 ft.

FITTINGS:

☒ K-Packer☐ Bremer Check☐ Blank Above Screen _____ ft. Other _____

9. STATIC WATER LEVEL:

_____ ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____ hrs. Pumping at _____ G.P.M.

☐ Plunger☐ Bailer☒ 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 _____

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Red Jacket

Model Number

FORTWL

Volts

240

Length of Drop Pipe

_____ ft.

Capacity

1/2

G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other

10

PRESSURE TANK:

Manufacturer's Name

Structural Fibers

Model Number

WM-2

Capacity

Gallons

GEOLOGICAL SURVEY COPY

Authority: Act 388 PA 1978

Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

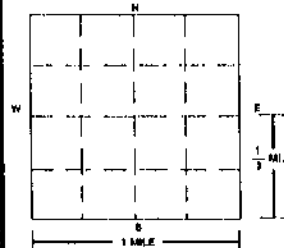
County Ionia Township Name Boston Fraction SE 1/4 NW 1/4 SE 1/4 Section No. 36 Town No. 6N Range No. 8W

Distance and Direction from Road Intersection

Street Address & City of Well Location 283 Dausman Park, Clarksville

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Gravel	05	05
Gray clay with gravel	110	115
Gravel	12	127
Gray clay with gravel	22	149
Red shale	07	156
Gray shale	01	157
Red shale	02	159
White sypsum	03	162
Red shale	05	167
Gray shale	06	168
Rainbow shale	08	176
White gypsum	09	185
Purple and gray shale	1	196

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in. Depth _____ ft.

PLUGGING MATERIAL:

☐ Cement/Bentonite Slurry ☐ Neat Cement ☐ Bentonite Slurry☐ Concrete Grout ☐ Bentonite ChipsNo. of Bags _____ Casing Removed? ☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ SubcontractorName Kevin Ouellette, Fred

3. OWNER OF WELL

Address Ronald Goostrey
2492 W. Kalamo Highway
Charlotte 48813

Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

196 ft.

Date Completed

3 / 10 / 96☐ New Well☐ Replacement Well5. ☐ 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☒ vertical loop

7. CASING:

☐ Steel☐ Threaded

Height: Above/Below

☐ Plastic☐ Welded

Surface: _____ ft.

☒ Other none

Diameter: _____ in. to _____ ft. depth

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: 5 7/8 in. to 196 ft. depth

_____ in. to _____ ft. depth

☐ Drive Shoe☐ Shale Packer

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:

_____ ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____

hrs. Pumping at _____

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☒ YesFrom 0 to 192 ft.☐ Neat Cement☐ Bentonite☐ Other _____No. of Bags 13Additives Quik Grout

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type SewerDistance 10+ ft.Direction W

Type _____

Distance _____

ft.

Direction _____

14. PUMP:

☒ Not Installed☐ Pump Installation Only

Manufacturer's Name _____

Model Number _____

HP _____

Volts _____

Length of Drop Pipe _____

ft.

Capacity _____

G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other _____

PRESSURE TANK:

Manufacturer's Name _____

Model Number _____

Capacity _____

Gallons _____

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.

Dyer Well Drilling & Service, Inc. 0418

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Laingsburg 48848-0370

Signed _____

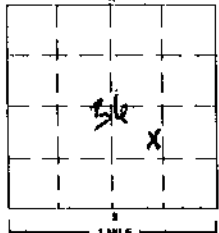
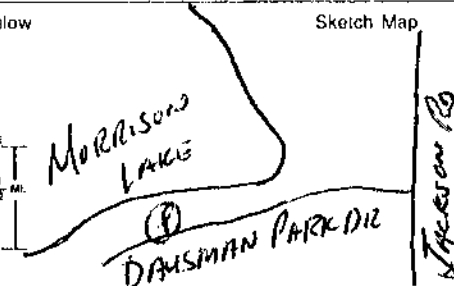
AUTHORIZED REPRESENTATIVE

Date 3/11/96

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978
Completion: Required

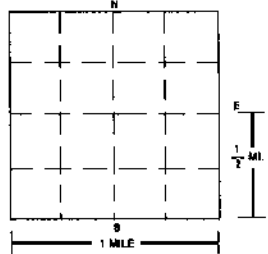
Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 13769	
1. LOCATION OF WELL		Township Name Boston		Fraction SE 1/4 NW 1/4 S1/4	Section No. 36	Town No. 6N	Range No. 8W
County Ionia							
Distance and Direction from Road Intersection		3. OWNER OF WELL					
Street Address & City of Well Location 283 Dausman Park, Clarksville		Address Ronald Goostrey 2492 W. Kalamo Highway Charlotte 48813 Address Same as Well Location ☐ Yes ☒ No					
Locate with 'x' in Section Below		Sketch Map		4. WELL DEPTH:		Date Completed ☒ New Well	
				119 ft.		3 / 19 / 96 ☐ Replacement Well	
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	5. ☐ Cable Tool ☒ Rotary ☐ Driven ☐ Dug			
Gravel		08	08	☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐			
Gray clay with gravel and sand		102	110	6. USE: ☒ Household ☐ Type I Public ☐ Type III Public			
Medium gravel with some medium to coarse sand		09	119	☐ Irrigation ☐ Type IIa Public ☐ Heat Pump			
				☐ Test Well ☐ Type IIb Public ☐			
				7. CASING: ☐ Steel ☐ Threaded		Height: Above/Below Surface: 1 ft	
				☒ Plastic ☐ Welded		SDR21	
				☐ Other		Weight: lbs./ft.	
				Diameter: 5 in. to 111 ft. depth		☒ Drive Shoe	
				BORE HOLE: Diameter: 8 1/2 in. to 111 ft. depth		☐ Shale Packer	
				8. SCREEN: ☐ Not Installed ☐ Gravel-Packed			
				Type stainless Diameter 4"			
				Slot/Gauge #15 & #12 Length: 8'			
				Set Between 111 ft. and 119 ft.			
				FITTINGS: ☒ K-Packer ☐ Bremer Check			
				☐ Blank Above Screen 1 ft. Other riser			
				9. STATIC WATER LEVEL:		☐ ft. Below Land Surface ☒ Flowing	
				10. PUMPING LEVEL: Below Land Surface			
				ft. After hrs. Pumping at 100 G.P.M.			
				☐ Plunger ☐ Bailer ☒ Air ☐ Test Pump			
				11. WELL HEAD COMPLETION:			
				☒ Pitless Adapter ☒ 12" Above Grade			
				☐ Basement Offset ☐ Well House			
				12. WELL GROUTED? ☐ No ☒ Yes From 0 to 111 ft.			
				☐ Neat Cement ☒ Bentonite ☒ Other 3 hole plug			
				No. of Bags 3 Additives Quik Grout			
				13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:			
				Type Sewer Distance 10+ ft. Direction W			
				Type Distance ft. Direction			
				14. PUMP: ☐ Not Installed ☐ Pump Installation Only			
				Manufacturer's Name Red Jacket			
				Model Number 50SEW1-9BC HP 1/2 Volts 230			
				Length of Drop Pipe 20 ft. Capacity 12 G.P.M.			
				TYPE: ☒ Submersible ☐ Jet ☐ Other			
				PRESSURE TANK:			
				Manufacturer's Name Well Rite			
				Model Number 250 Capacity 45 Gallons 13			
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No		BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS					
Casing Diameter in. Depth							
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry							
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips							
No. of Bags Casing Removed? ☐ Yes ☐ No							
16. REMARKS: (Elevation, Source of Data, etc.)							
Flowing 8 gpm 2 ft. above grade. Paulus flowing well seal and cap.							
17. DRILLING MACHINE OPERATOR:		15. WATER WELL CONTRACTOR'S CERTIFICATION:					
☒ Employee ☐ Subcontractor		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.					
Name Kevin Ouellette, Steve		Dyer Well Drilling & Service, Inc. 0418					
		REGISTERED BUSINESS NAME					
		Address Laingsburg 48848-0370					
		SIGNED <i>Michael Dyer</i> AUTHORIZED REPRESENTATIVE					
		Date 3/19/96					

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

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

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 14066	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County <u>Ionia</u>		<u>Boston</u>		<u>SE 1/4 SE 1/4 SW 1/4</u>	<u>36</u>	<u>6</u>	<u>8</u>
Distance and Direction from Road Intersection <u>located at 786 Paradise Pk.</u>				3. OWNER OF WELL <u>Scott Osborne</u> Address <u>786 Paradise Pk.</u> <u>Saranac, MI.</u> <u>48881</u> Address Same as Well Location ☒ Yes ☐ No			
Street Address & City of Well Location <u>786 Paradise Pk.</u> <u>Saranac</u>				4. WELL DEPTH: <u>91</u> ft. Date Completed <u>06/20/96</u> ☒ New Well ☐ Replacement Well			
Locate with 'x' in Section Below 				5. ☐ Cable Tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐			
2. FORMATION DESCRIPTION				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 Height: Above/Below Surface: <u>1</u> ft. Height: <u>SDR-2</u> lbs./ft. Drive Shoe ☐ Shale Packer ☐ Sl-Packed ameter <u>4</u> " Length: <u>4</u> " Set Between <u>91</u> ft. FITTINGS: ☒ X-Packer ☐ ameter Check ☐ Blank Above Screen ☐ ft. Other _____			
RECEIVED <u>JUN 22 1996</u> IONIA COUNTY HEALTH DEPT.				9. STATIC WATER LEVEL: <u>30</u> ft. Below Land Surface ☐ Flowing			
				10. PUMPING LEVEL: Below Land Surface <u>30</u> ft. After <u>1</u> hrs. Pumping at <u>40</u> 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 <u>0</u> to <u>84</u> ft. ☐ Neat Cement ☐ Bentonite ☐ Other <u>0</u> No. of Bags <u>X</u> Additives _____			
				13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Type <u>S. Line</u> Distance <u>25</u> ft. Direction <u>W</u> Type _____ Distance _____ ft. Direction _____			
				14. PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's Name <u>Red Jacket</u> Model Number <u>50RTW1</u> HP _____ Volts <u>230</u> Length of Drop Pipe <u>61</u> ft. Capacity <u>10</u> G.P.M. TYPE: ☐ Submersible ☐ Jet ☐ Other <u>10</u> PRESSURE TANK: Manufacturer's Name <u>Structural Fibers</u> Model Number <u>WM-9</u> Capacity _____ Gallons			
				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. <u>Seese Well Drilling Co.</u> <u>34-1905</u> REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____ Address <u>Clarksville, MI. 48815</u> Signed <u>Imothy Seese</u> Date <u>6-28-96</u> AUTHORIZED REPRESENTATIVE _____			
				16. REMARKS: (Elevation, Source of Data, etc.)			
				17. DRILLING MACHINE OPERATOR: ☐ Employee ☐ Subcontractor ☒ Name <u>Ronald Seese</u>			
				18. ABANDONED WELL PLUGGED? ☐ Yes ☐ No Casing Diameter _____ in. Depth _____ ft. PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips No. of Bags _____ Casing Removed? ☐ Yes ☐ No			

ZDDDDDD?

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

Permit No. 15 Page 1 of 1

13934

Geological Survey No		WATER WELL AND PUMP RECORD		Permit No.		Page 1 of 1	
3 County	3 Township Name	3 Fraction	3 Section No	3 Town No	3 Range Number	3	
3 IONIA	3 BOSTON	3 SW 1/4 NW 1/4 NE 1/4 3	3 36	3 6 N	3 8 W	3	
3 Distance And Direction From Road Intersection				3 Owner of Well	THOMAS CARNEGIE		
				3 Address	74 MORRISON LAKE GARDENS		
				3	SARANAC MI 48881		
3 Well Addr: 74 MORRISON LAKE GARDEN SARANAC MI 48881				3 Address Same as Well Location?	YES		
3 Locate with 'X' in Sec. Below Sketch Map				3 Depth	Date Compl	This is a:	
3 ZDDDBDDDBDDDBDD?				3 68 ft.	05/24/96	NEW WELL	
3 C D C D C D C D 4				3 Equipment Used: CABLE TOOL			
3 C D C D + D C D 4E DDD				3 Well Use: DOMESTIC			
3 C D C - C D C D 4 1/2 mi.				3 Casing Type: STEEL Connection: WELDED			
3 DDDDDDDDDDDDDDDDD DD				3 Diam. Height ABOVE			
3 S				3 4 in. to 62.6 ft. Surface 1 ft			
				3 in. to ft. Weight 11 lb./ft.			
				3 Grouted Drill Hole Drive Shoe YES			
				3 in. to ft.			
				3 in. to ft.			
3 Formation Description Thickness Depth				3 Screen Type: PLASTIC Diam: 3 [] Not Installed			
3 CLAY & SAND 3 16 3 16				3 SLOT .015 Length: 6			
3 CLAY 3 24 3 40				3 Set Between 62 ft. and 68 ft.			
3 CLAY & GRAVEL 3 22 3 62				3 Fittings: K-PACKER [X] Blank above screen: 1 ft.			
3 GRAVEL 3 6 3 68				3 Static Level: 28 ft. Flow: NO			
				3 Pumping Level below land surface:			
				3 62 ft. after hrs. @ 12 GPM			
				3 ft. after hrs. @ 0 GPM			
				3 Well Head Completion: PITLESS ADAPTER			
				3 Grouted from to ft. Material: BENTONITE			
				3 Cement: 3 bags Additive:			
				3 Nearest source of possible contamination:			
				3 Type: SEPTIC TANK Distance: +50 ft.			
				3 Direction:			
				3 Well disinfected on completion? YES Old well plugged? YES			
				3 Pump: [] Not Installed [] Installation Only			
				3 Manufacturer's Name: FRANKLIN			
3 Remarks, elevation, source of data, etc.				3 Model: 3 WIRE HP: 0.5 Voltage: 230			
3 INV #11025				3 Drop pipe: 60 ft. Capacity: 0 GPM			
				3 Pump type: SUBMERSIBLE			
				3 Pressure Tank Manufacturer's Name : WELL XTROL			
3 Rig Operator's Name				3 Model: 203 Capacity: 33 Gal.			
3 BEN NIELSEN				3 WATER WELL CONTRACTOR'S CERTIFICATION:			

Authority: Act 368 PA 1978

Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

Signed

Authorized Representative

06/06/96

Date _____

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

14245

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

SW 1/4 N 1/4 E 1/4

Section No.

36

Town No.

6N

Range No.

8W

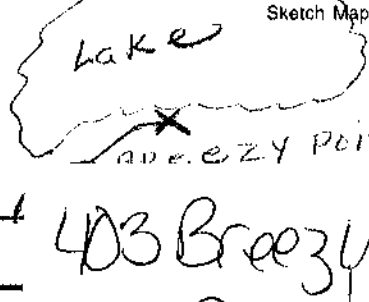
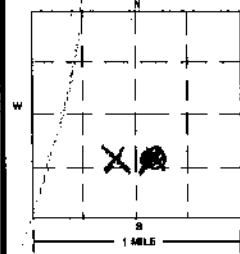
Distance and Direction from Road Intersection

Dick Blundy

1/2 Mile West of Jackson Rd. Breezy Point
 3/8 Mile North of Goodemote Rd.

Street Address & City of Well Location

Locate with 'x' in Section Below



2. FORMATION DESCRIPTION

Muck, clay, sand

28

Sand

46

Sandy Clay & Gravel

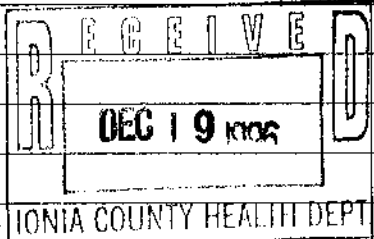
36

80

Sand & Gravel

15

95



RECEIVED
 Mich. Dept. of Public Health

FEB 11 1997

BUREAU OF ENVIRONMENTAL AND
 OCCUPATIONAL HEALTH-GWQS

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in.

Depth _____ ft.

PLUGGING MATERIAL:

☐ Cement/Bentonite Slurry☐ Neat Cement☐ Bentonite Slurry☐ Concrete Grout☐ Bentonite Chips

No. of Bags _____

Casing Removed?

☐ Yes ☐ No

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

Well Capacity W/Rig Air 50 GPM

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ Subcontractor

Name

Jack Peru

GW-2-226 9/93

3. OWNER OF WELL

Address

Mike Schrauben Builders
 418 Charlotte Hwy
 Portland Michigan 48875

Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

Date Completed

☒ New Well☐ Replacement Well

95 ft.

12/21/96

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☒ Plastic☐ Threaded☐ Welded☐ Other

Height: Above/Below

Surface: _____ ft.

Weight: PVC _____ lbs./ft.

Diameter: _____ in. to _____ ft. depth

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: _____ in. to _____ ft. depth

_____ in. to _____ ft. depth

8. SCREEN:

☐ Not Installed☐ Gravel-Packed

Type: Stainless

Slot/Gauze _____

Set Between _____ ft. and _____ ft.

FITTINGS: ☒ K-Packer ☐ Bremer Check☐ Blank Above Screen _____ ft. Other _____

9. STATIC WATER LEVEL:

_____ ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____ hrs. Pumping at _____ G.P.M.

☐ Plunger ☐ Bailor ☐ Air ☒ Test Pump

11. WELL HEAD COMPLETION:

☒ Pitless Adapter☐ Basement Offset☐ 12" Above Grade☐ Well House

12. WELL GROUTED?

☐ No☒ Yes

From _____ to _____ ft.

☐ Neat Cement☒ Bentonite

No. of Bags _____

☐ Other _____

Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: Sewer

Distance: 12 ft.

Type: _____

Distance: _____ ft.

Direction: S

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name: Aermotor

Model Number: T-12-50

Length of Drop Pipe: 40 ft.

TYPE: ☒ Submersible ☐ Jet ☐ Other

PRESSURE TANK:

Manufacturer's Name: Wellxtrol

Model Number: T-12-50

Capacity: 20 Gallons

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.

Maurer & Parks Well Drilling Inc. 0383

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address

16101 South US 27 Lansing Michigan 48906

Signed

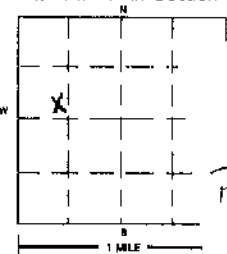
Eugene Maurer

Date

12-7-96

GEOLOGICAL SURVEY COPY

Authority: Act 386 PA 1978
 Completion: Required
 Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:		MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY WATER WELL AND PUMP RECORD				PERMIT NO:	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County <u>Ionia</u>		<u>555 Con</u>		<u>NW 1/4 NW 1/4 NW 1/4</u>	<u>36</u>	<u>6</u>	<u>8</u>
Distance and Direction from Road Intersection Well located at <u>784 Paradise Pk.</u>		3. OWNER OF WELL <u>784 Paradise Pk.</u> Address <u>Saranac, MI.</u> <u>48881</u> Address Same as Well Location ☒ Yes ☐ No					
Street Address & City of Well Location <u>784 Paradise Pk.</u> <u>Saranac</u>		4. WELL DEPTH: <u>177</u> ft. Date Completed <u>12/20/96</u> ☒ New Well ☐ Replacement Well					
Locate with 'X' in Section Below 		5. ☐ Cable Tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐					
Sketch Map <u>784 Pk.</u> <u>Permit #14399</u> <u>Replacement Well</u>		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 Diameter: <u>5</u> in. to <u>37</u> ft. depth BORE HOLE: <u>87</u> Diameter: <u> </u> in. to <u> </u> ft. depth					
2. FORMATION DESCRIB		8. SCREEN: ☐ Not Installed ☐ Gravel-Packed Type <u>1.5</u> Diameter <u>4</u> Slot/Gauze <u>37</u> Length <u>21</u> Set Between <u> </u> ft. and <u> </u> ft. FITTINGS: ☒ K-Packer ☐ Bremer Check ☐ Blank Above Screen <u> </u> ft. Other <u> </u>					
Clay		9. STATIC WATER LEVEL: <u>20</u> ft. Below Land Surface ☐ Flowing					
Sandy Clay		10. PUMPING LEVEL: Below Land Surface ☒ <u>20</u> ft. After <u>1</u> hrs. Pumping at <u>30</u> G.P.M. ☐ Plunger ☐ Bailor ☒ Air ☐ Test Pump					
Clay		11. WELL HEAD COMPLETION: ☒ ☐ Pitless Adapter ☐ 12" Above Grade ☐ Basement Offset ☐ Well House					
Sandy Clay		12. WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>30</u> ft. ☐ Neat Cement ☒ Bentonite ☐ Other <u> </u> No. of Bags <u> </u> Additives <u> </u>					
Sand		13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Type <u>S. Line</u> Distance <u>16</u> ft. Direction <u>NE</u> Type <u> </u> Distance <u> </u> ft. Direction <u> </u>					
USE A 2ND SHEET IF NEEDED		14. PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's Name <u>Red Jacket</u> Model Number <u>50RTWL</u> HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>65</u> ft. Capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet ☐ Other PRESSURE TANK: <u>Structural Fibers</u> Manufacturer's Name <u> </u> Model Number <u> </u> Capacity <u> </u> Gallons					
15. ABANDONED WELL PLUGGED? ☒ Yes ☐ No Casing Diameter <u>2</u> in. Depth <u> </u> ft. PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☒ Bentonite Chips No. of Bags <u> </u> Casing Removed? ☐ Yes ☒ No		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. <u>Seese Well Drilling Co.</u> <u>34-1905</u> REGISTERED BUSINESS NAME <u>Clarksville, MI. 48815</u> REGISTRATION NO. Address <u> </u> Signed <u>Timothy Seese</u> Date <u>12-23-96</u> AUTHORIZED REPRESENTATIVE					
16. REMARKS: (Elevation, Source of Data, etc.)		17. DRILLING MACHINE OPERATOR: ☒ Employee ☐ Subcontractor Name <u>Ronald Seese</u>					

GW-2-228 9/83

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1976
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO:	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County		Ionia		31 1/4	11 1/4	26	2
Distance and Direction from Road Intersection							
Well located 500' E. of Morrison Hk. Rd. & 50' S. of Paradise Park.							
Street Address & City of Well Location							
685 Wildwood Saranac							
Locate with 'x' in Section Below		Sketch Map					
2. FORMATION DESCRIPTION				THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM		
Clay				6	6		
Sandy Clay				12	18		
Grey Clay				28	46		
Sand				13	64		
RECEIVED JUN 20 1996 IONIA COUNTY HEALTH DEPT.							
RECEIVED Mich. Dept. of Public Health JUL 18 1996							
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH GWQS							
USE A 2ND SHEET IF NEEDED							
15. ABANDONED WELL PLUGGED? ☐ Yes ☒ No							
Casing Diameter _____ in. Depth _____ ft.							
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry							
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips							
No. of Bags _____ Casing Removed? ☐ Yes ☒ No							
16. REMARKS: (Elevation, Source of Data, etc.)							
17. DRILLING MACHINE OPERATOR:							
☐ Employee ☒ Subcontractor							
Name _____							
Address _____							
Signed _____ Date 5-31-96							
AUTHORIZED REPRESENTATIVE							
3. OWNER OF WELL Joe Brown							
Address 685 Wildwood Saranac MI 49881							
Address Same as Well Location ☒ Yes ☐ No							
4. WELL DEPTH: 64 ft.		Date Completed 05/23/96		☐ 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: 8 in. to 60 ft. depth				☐ Drive Shoe ☐ Shale Packer			
_____ in. to _____ ft. depth							
8. SCREEN: ☐ Not Installed ☒ Gravel-Packed							
Type STAINLESS S. Diameter 4"							
Slot/Gauze 15 Length: 4"							
Set Between 40 ft. and 64 ft.							
FITTINGS: ☒ K-Packer ☐ Bremer Check ☐ Blank Above Screen _____ ft. Other _____							
9. STATIC WATER LEVEL: _____ ft. Below Land Surface ☐ Flowing							
10. PUMPING LEVEL: Below Land Surface _____ ft. After _____ hrs. Pumping at _____ G.P.M.							
☐ Plunger ☐ Bailor ☐ Air ☐ Test Pump							
11. WELL HEAD COMPLETION: ☒ Pitless Adaptor ☒ 12" Above Grade ☐ Well House							
☐ Basement Offset ☐							
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 SEWER LINES Distance 100 ft. Direction N							
14. PUMP: ☐ Not Installed ☐ Pump Installation Only							
Manufacturer's Name Red Jacket							
Model Number 1000 HP Volts _____							
Length of Drop Pipe 20 ft. Capacity 7.7 G.P.M.							
TYPE: ☒ Submersible ☐ Jet ☐ Other 10							
PRESSURE TANK:							
Manufacturer's Name Structural Fibers							
Model Number WM-9 Capacity _____ Gallons							
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.							
Geese Well Drilling Co. 64-1205							
REGISTERED BUSINESS NAME REGISTRATION NO.							
Address Clarksville, MI 48815							
Signed Timothy Geese Date 5-31-96							
AUTHORIZED REPRESENTATIVE							

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 13916	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County <u>IONIA</u>		<u>Boston</u>		<u>1/4</u> <u>1/4</u> <u>1/4</u>	<u>36</u>	<u>6N</u>	<u>8W</u>
Distance and Direction from Road Intersection <u>1 1/8 mile No. of Goodemote + Archer</u>		3. OWNER OF WELL <u>Emory Patterson</u> Address <u>325 Archer Dr. Morrison Hk. Clarksville, Mi. 48815</u> Address Same as Well Location ☒ Yes ☐ No					
Street Address & City of Well Location <u>325 Archer Dr. Clarksville</u>		4. WELL DEPTH: <u>134</u> ft. Date Completed <u>5-4-96</u> ☐ New Well ☒ Replacement Well					
Locate with 'x' in Section Below		5. ☐ Cable Tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐					
Sketch Map		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 Diameter: <u>5</u> in. to <u>130</u> ft. depth Weight: _____ lbs./ft. BORE HOLE: Diameter: <u>8</u> in. to <u>134</u> ft. depth _____ in. to _____ ft. depth					
		8. SCREEN: ☐ Not Installed ☐ Gravel-Packed Type <u>Stainless</u> Diameter <u>3"</u> Slot/Gauze <u>15</u> Length: <u>4'</u> Set Between <u>130</u> ft. and <u>134</u> ft. FITTINGS: ☐ K-Packer ☐ Bremer Check ☐ Blank Above Screen _____ ft. Other _____					
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM			
<u>Marrow</u>		<u>10</u>		<u>10</u>			
<u>Gray Clay + Gravel</u>		<u>21</u>		<u>31</u>			
<u>Gray clay</u>		<u>76</u>		<u>127</u>			
<u>Sand w/water</u>		<u>7</u>		<u>134</u>			
RECEIVED Mich. Dept. of Public Health JUL 18 1996 BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS		9. STATIC WATER LEVEL: <u>2</u> ft. Below Land Surface ☐ Flowing					
		10. PUMPING LEVEL: Below Land Surface _____ ft. After _____ hrs. Pumping at _____ G.P.M. ☒ Plunger ☐ Bailer ☐ Air ☐ Test Pump					
		11. WELL HEAD COMPLETION: ☒ Pitless Adapter ☐ 12" Above Grade ☐ Basement Offset ☐ Well House					
		12. WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>125</u> ft. ☐ Neat Cement ☐ Bentonite ☐ Other _____ No. of Bags <u>8</u> Additives _____					
		13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Type <u>Sewer line</u> Distance <u>40</u> ft. Direction <u>N.E.</u> Type _____ Distance _____ ft. Direction _____					
		14. PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's Name <u>Aermotor</u> HP <u>1/2</u> Volts <u>115</u> Model Number _____ Length of Drop Pipe <u>40</u> ft. Capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet ☐ Other _____ PRESSURE TANK: Manufacturer's Name <u>Well X-trol</u> Model Number <u>202 U.G.</u> Capacity <u>20</u> Gallons					
		15. ABANDONED WELL PLUGGED? ☒ Yes ☐ No Casing Diameter _____ in. Depth _____ ft. PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry ☐ Cement/Bentonite Slurry ☐ Concrete Grout ☒ Bentonite Chips No. of Bags <u>4</u> Casing Removed? ☐ Yes ☒ No					
		16. REMARKS: (Elevation, Source of Data, etc.)					
		17. DRILLING MACHINE OPERATOR: ☒ Employee ☐ Subcontractor Name <u>Rob Gregory</u>					
		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. <u>O'Connor Well Drilling</u> # <u>1762</u> REGISTERED BUSINESS NAME Address <u>4350 Noddins Rd. Belding</u> Signed <u>Patricia O'Connor</u> Date <u>6/18/96</u> AUTHORIZED REPRESENTATIVE					

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

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

WATER WELL AND PUMP RECORD

12487

PERMIT NUMBER

1 LOCATION OF WELL		County Ionia		Township Name Boston		Fraction SW 1/4 SE 1/4 NW 1/4		Section Number 36		Town Number 6		Range Number 8	
Distance And Direction From Road Intersection Well Located 1/8 mile east of Morrison Lake Road on Paradise Park													
Street Address & City of Well Location 782 Paradise Park Saranac													
Locate with "X" in Section Below													
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL Larry Cardinal 782 Paradise Park Saranac, Mi. 48881 Address Same As Well Location? ☒ Yes ☐ No					
Clay				70		70		4 WELL DEPTH: 79 FT. Date Completed 12-16-93 ☒ New Well ☐ Replacement Well					
Sand				9		79		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐					
								6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐					
								7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded 5 in. to 75 ft. depth Height: Above/Below Surface 1 SDR= 21 8 in. to 75 ft. depth Weight 1 lbs./ft. 8 in. to 75 ft. depth Drive Shoe ☐ Yes ☒ No 8 in. to 75 ft. depth					
								8 SCREEN: ☐ Not Installed Type Ss Diameter 4" Slot/Gauze 10 slot Length 4' Set between 75 ft. and 79 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other					
								9 STATIC WATER LEVEL: 27 ft. below land surface ☐ Flow					
								10 PUMPING LEVEL: below land surface plunger 27 ft. after 1 hrs. pumping at 50 G.P.M. 27 ft. after 1 hrs. pumping at 50 G.P.M.					
								11 WELL HEAD COMPLETION: ☐ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit					
								12 WELL GROUTED? ☐ No ☒ Yes From 0 to 60 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives					
								13 Nearest source of possible contamination Type Sewer L Distance 30' ft. Direction W Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No					
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Meyers Model number 2N52-12 HP 1/2 Volts 230 Length of Drop Pipe 60' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Existing Manufacturer's name Existing Model number Capacity Gallons					
15. Remarks, elevation, source of data, etc.													
17. Rig Operator's Name: Timothy Seese													

USE A 2ND SHEET IF NEEDED

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.

G.L. Seese and Sons Well Drlg 34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **Clarksville, Mi 48815**

Signed

Timothy B. Seese
AUTHORIZED REPRESENTATIVEDate **12-22-93**Authority:
Completion:
Penalty:Act 368 PA 1978
Required
Conviction of a violation
of any provision is a
misdemeanor.

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 2360

1 LOCATION OF WELL		3 OWNER OF WELL:																
County <u>Jonica</u>	Township Name <u>Boston</u>	Fraction <u>SE 1/4 SW 1/4 NE 1/4</u>	Section Number <u>36</u>															
		Town Number <u>60</u> N S	Range Number <u>8</u> E W															
Distance And Direction From Road Intersection 2 Blks West of Jackson Rd. 1/2 Mile South of Portland Rd.		Address <u>James Moore</u> <u>2623 W. St. Joe</u> <u>Lansing Michigan 48917</u>																
Street Address & City of Well Location Locate with "X" in Section Below		Address Same As Well Location? ☐ Yes ☒ No																
Sketch Map 		4 WELL DEPTH: <u>123</u> ft. Date Completed <u>9</u> <u>10</u> <u>93</u> ☒ New Well ☐ Replacement Well																
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted																
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public																
		7 CASING: ☐ Steel ☐ Threaded ☐ Height: Above <u>100</u> ft. ☒ Plastic ☐ Welded Surface <u>1</u> ft. <u>5</u> in. to <u>116</u> ft. depth Weight <u>PVC</u> lbs./ft. <u>8</u> in. to <u>116</u> ft. depth Drive Shoe ☐ Yes ☐ in. to _____ ft. depth ☐ No																
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">THICKNESS OF STRATUM</th> <th style="text-align: center;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Sand & Clay</td> <td style="text-align: center;">17</td> <td style="text-align: center;">17</td> </tr> <tr> <td>Clay</td> <td style="text-align: center;">25</td> <td style="text-align: center;">42</td> </tr> <tr> <td>Clay & Gravel</td> <td style="text-align: center;">74</td> <td style="text-align: center;">116</td> </tr> <tr> <td>Gravel</td> <td style="text-align: center;">7</td> <td style="text-align: center;">123</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Sand & Clay	17	17	Clay	25	42	Clay & Gravel	74	116	Gravel	7	123	8 SCREEN ☐ Not Installed Type <u>Stainless</u> Diameter <u>4"</u> Slot/Gauze <u>10</u> Length <u>5'</u> Set between <u>116</u> ft. and <u>123</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen <u>5</u> ft. Other _____	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM														
		Sand & Clay	17	17														
		Clay	25	42														
		Clay & Gravel	74	116														
Gravel	7	123																
9 STATIC WATER LEVEL <u>Flow</u> ft. below land surface ☐ Flow																		
10 PUMPING LEVEL: below land surface <u>2</u> ft. after <u>10</u> hrs pumping at <u>15</u> G.P.M. _____ ft. after _____ hrs pumping at _____ G.P.M.																		
11 WELL HEAD COMPLETION: ☒ Pitless adaptor ☐ 12" above grade ☐ Basement offset ☐ Approved pit																		
12 WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>25</u> ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																		
13 Nearest source of possible contamination Type <u>San Sewer</u> Distance <u>15</u> ft. Direction <u>E</u> Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No																		
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <u>Red Jacket</u> Model number <u>50RTWL-9BC</u> HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>40</u> ft. capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK Manufacturer's name <u>Wellxtrol</u> Model number <u>WX202</u> Capacity <u>20</u> Gallons																		
15. Remarks. elevation, source of data, etc.		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. Maurer & Parke Well Drilling Inc. <u>0383</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>4700 N East St. Lansing Michigan 48906</u> Signed <u>Eugene Maurer</u> Date <u>9-10-93</u> AUTHORIZED REPRESENTATIVE																
17. Rig Operator's Name: <u>Jack Peru</u>																		

USE A 2ND SHEET IF NEEDED

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

 1 2 2 3 4
 PERMIT NUMBER

1 LOCATION OF WELL		TOWNSHIP NAME		Fraction	Section Number	Town Number	Range Number
County	Ionia	Boston		NE 1/4 SW 1/4 SW 1/4	36	6	N 8 W
Distance And Direction From Road Intersection				3 OWNER OF WELL: Jeff Anderson			
Well located 1/8 mile N. of Goodemote Rd. & 20' W. of Breezy Pt. Dr.				425 Breezy Pt.			
Street Address & City of Well Location				Clarksville, Mi.			
Locate with "X" in Section Below				48815			
Sketch Map:				Address Same As Well Location? ☒ Yes ☐ No			
				4 WELL DEPTH: 32 FT. Date Completed 08-30-93			
				☒ New Well ☒ Replacement Well			
				5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug			
				☐ Hollow rod ☐ Auger ☐ Jetted ☐			
				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public			
				☐ Irrigation ☐ Type IIa Public ☐ Heat pump			
				☐ Test Well ☐ Type IIb Public ☐			
				7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded			
				Height: Above/Below 1 ft. Surface SDR-21			
				Weight 1 lbs./ft.			
				Drive Shoe ☐ Yes ☒ No			
				8 SCREEN: ☐ Not Installed			
				Type S.Steel Diameter 4"			
				Slot/Gauze 10 slot Length 4'			
				Set between 28 ft. and 32 ft.			
				FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Chuck			
				☒ Blank above screen 1 ft. Other			
				9 STATIC WATER LEVEL: 7 ft. below land surface ☐ Flow			
				10 PUMPING LEVEL: below land surface plunger			
				7 ft. after 1 hrs. pumping at 40 G.P.M.			
				7 ft. after 1 hrs. pumping at 40 G.P.M.			
				11 WELL HEAD COMPLETION: ☒ Pitless adaptor ☒ 12" above grade			
				☐ Basement offset ☐ Approved pit			
				12 WELL GROUTED? ☐ No ☒ Yes From 0 to 28 ft.			
				☐ Neat cement ☒ Bentonite ☐ Other			
				No. of bags of cement 1 Additives			
				13 Nearest source of possible contamination			
				Type S.Line Distance 14' ft. Direction N.			
				Well disinfected upon completion? ☒ Yes ☐ No			
				Was old well plugged? ☒ Yes ☐ No			
				14 PUMP: ☐ Not Installed ☐ Pump Installation Only			
				Manufacturer's name Myers			
				Model number 2N52-12 HP 1/2 Volts 230			
				Length of Drop Pipe 20' ft. capacity 12 G.P.M.			
				TYPE: ☒ Submersible ☐ Jet			
				PRESSURE TANK: S.Fiber			
				Manufacturer's name			
				Model number WM-9 Capacity 1 Gallons			
15. Remarks. elevation, source of data, etc.				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.			
				G.L. Seese and Sons Well Drig 34-1905			
17. Rig Operator's Name:				REGISTERED BUSINESS NAME			
Timothy Seese				REGISTRATION NO.			
				Address 9751 Clarksville, Mi 48815			
				Signed Timothy Seese Date 9-27-93			
				AUTHORIZED REPRESENTATIVE			

USE A 2ND SHEET IF NEEDED

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Lansing Twp. Boston Fraction NW 1/4 NW 1/4 Section No. 36 Town 6 N 1/4 Range 8 E 1/4

Distance And Direction from Road Intersections

OWNER No. _____

3 OWNER OF WELL:

Address Holmes
Jackson Mich

Street address & City of Well Location

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Top soil	1	1
Clay - Yellow	9	10
Clay - Blue	29	39
Clay - tan gravel	19	58
Clay - Blue	20	78
water bearing gravel	8	86

4 WELL DEPTH: (completed) Date of Completion

86 ft.9/6/69

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐ _____

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

7 CASING: Threaded ☐ Welded ☒ Height: Above/Below
 Diam. _____ in. to _____ ft. Depth surface _____ ft.
 Weight 10.74 lbs./ft.
 Drive Shoe? Yes ☒ No ☐

8 SCREEN:
 Type: Plastic Dia.: 3"
 Slot/Gauge 12 Length 6'-8"
 Set between 80 ft. and 86 ft.
 Fittings: _____

9 STATIC WATER LEVEL

41 ft. below land surface

10 PUMPING LEVEL below land surface

50 ft. after 2 hrs. pumping 25 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: ☐ In Approved Pit
☐ Pitless Adapter ☐ 12" Above Grade

13 GROUTING:

Well Grouted? ☐ Yes ☒ No
 Material: ☐ Neat Cement ☐ _____
 Depth: From _____ ft. to _____ ft.

14 SANITARY:

Nearest Source of possible contamination
 _____ feet _____ Direction _____ Type
 Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

Manufacturer's Name Aermeton
 Model Number SA 50 1/2 HP
 Length of Drop Pipe _____ ft. capacity _____ G.P.M.
 Type: ☒ Submersible ☐ _____
☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER. ITEM NO.

*CORRECTED BY:

**ADDITION BY:

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.

Karl Geiger Jr.

REGISTERED BUSINESS NAME

0700

REGISTRATION NO.

Address Route 3, Balding, MichiganSigned Karl Geiger Jr.

AUTHORIZED REPRESENTATIVE

Date 9-16-69

36-4

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

OF
PUBLIC HEALTH

1 LOCATION OF WELL

County IONIA Kent	Township Name Boston Campbell	Fraction NE 1/4 NW 1/4	Section Number 36	Town Number 6N N/S.	Range Number 8W E/W.
------------------------------------	--	-------------------------------	--------------------------	----------------------------	-----------------------------

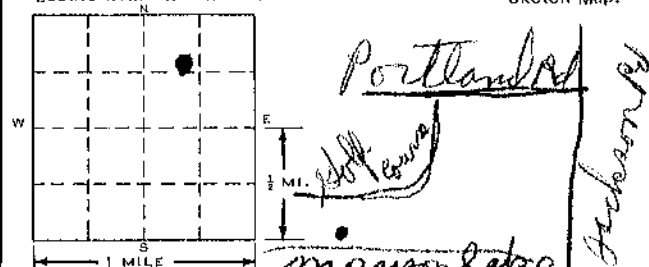
Distance And Direction from Road Intersections

1/10 Of Mile South Of Portland RD.**1/8 Mile West Of Jackson RD.****Well Is Located On North Side Of Morrison**

Street address & City of Well Location

Detroit Michigan

Locate with "X" in section below

Lake Just Off Golf Course

2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM**Clay Hard Pan****68****68****Gravel****4****72**

3 OWNER OF WELL:

Paul Benedict

Address

Detroit Michigan

4 WELL DEPTH: (completed) Date of Completion

72

ft.

4/26/68

☐ Cable tool	☐ Rotary	☐ Driven	☐ Dug
☒ Hollow rod	☐ Jetted	☐ Bored	☐
6 USE: ☒ Domestic ☐ Public Supply ☐ Industry			
☐ Irrigation ☐ Air Conditioning ☐ Commercial			
☐ Test Well ☐			

7 CASING: Threaded ☒ Welded ☐Height: Above/Below
Surface _____ ft.**2** in. to**68** ft. DepthWeight **375** lbs./ft.

_____ in. to

_____ ft. Depth

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: **Johnson**Dia.: **1 1/4**Slot/Gauze **60**Length **4'**Set between **68** ft. and **72** ft.

Fittings:

9 STATIC WATER LEVEL

30

ft. below land surface

10 PUMPING LEVEL below land surface

30ft. after **2** hrs. pumping **10** 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 Grade13 Well Grouted? ☐ Yes ☐ No☐ Neat Cement ☐ Bentonite ☐

Depth: From _____ ft. to _____ ft.

14 Nearest Source of possible contamination

50 feet **N** Direction **Septic Tank** TypeWell disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name **Myers**Model Number _____ HP **3/4** Volts **110**Length of Drop Pipe **42** ft. capacity **10** G.P.M.Type: ☐ Submersible☒ Jet☐ Reciprocating

16 Remarks, elevation, source of data, etc.

NOTED AS OF RE-APPLIED INFO. BY _____

CONDUCTED BY **7****825-1 DB**

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.

Freeman Pump Repair**0535**

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **Mulliken Michi gan**Signed **Freeman Pump Repair**

AUTHORIZED REPRESENTATIVE

Date **5/5/68**

36.7

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Ionia Township Name Boston Fraction N 1/2 Sec 36 Section Number 36 Town Number 6 Range Number 8 N/W.

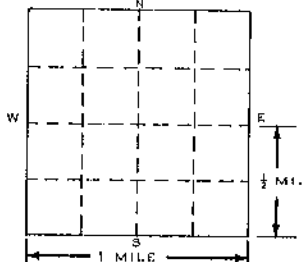
Distance And Direction from Road Intersections

3/4 Mile W. of Jackson Rd.Dausman Park Box 324 Clarksville
Plotted Sub

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUMClay5050Water Sand1464

3 OWNER OF WELL:

Address Johnson Painting Co,
P.O. Box 767
East Lansing, Michigan

4 WELL DEPTH: (completed) Date of Completion

64 ft. 7 - 10 - 74

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☐ Hollow rod ☐ Jetted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☒ Diam.Height: Above/Below
Surface 1 ft.4 in. to 60 ft. DepthWeight 10.79 lbs./ft.in. to ft. Depth Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Stainless Dia.: 3"Slot/Gauze 12 Length 4'Set between 60 ft. and 64 ft.

Fittings:

K Packer Nipple & Plug

9 STATIC WATER LEVEL

Flow ft. below land surface 20 gal. per min

10 PUMPING LEVEL below land surface

ft. after hrs. pumping 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 Grade13 Well Grouted? ☐ Yes ☒ No☐ Neat Cement ☐ Bentonite ☐Depth: From ft. to ft.

14 Nearest Source of possible contamination

50 feet NW Direction Septic TypeWell disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name WebtrolModel Number HP 1 Volts 230Length of Drop Pipe 21 ft. capacity 15 G.P.M.Type: ☒ Submersible☐ Jet☐ Reciprocating21' 1 1/2" Pipe plus 2 Lemco Seals

16 Remarks, elevation, source of data, etc.

cp NO. 820±
DEPTH TO ROCK

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.

A.B. Heaton & Sons Inc. 0346

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address 3143 N. Marble Rd. Belding, MI.Signed [Signature]

AUTHORIZED REPRESENTATIVE

Date 7-28-71

36.6

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

6-N 8-W

1 LOCATION OF WELL		Fraction		Section Number		Township Number		Range Number	
County <u>Ingham</u>		Township <u>Barren</u>		SW 1/4 NE 1/4 SW 1/4		36		7 N. 8 W.	
Distance And Direction from Road Intersections					3 OWNER OF WELL:				
1/4 Of Mile North Goodmen RD. 1/2 Mile West Of Jackson RD.					Jack Green				
Street address & City of Well Location <u>South Side Of Morrison Lake</u>					Address <u>Mulliken Michigan</u>				
Locate with "X" in section below					4 WELL DEPTH: (completed) Date of Completion				
Sketch Map:					130 ft. 4/18/68				
					5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug				
					☒ Hollow rod ☐ Jatted ☐ Bored ☐				
					6 USE: ☒ Domestic ☐ Public Supply ☐ Industry				
					☐ Irrigation ☐ Air Conditioning ☐ Commercial				
					7 CASING: Threaded ☒ Welded ☐				
					Diam. _____ Height: Above/Below				
					2 _____ in. to 126 ft. Depth				
					_____ in. to _____ ft. Depth				
					Weight 375 lbs./ft.				
					Drive Shoe? Yes ☒ No ☐				
2 FORMATION					8 SCREEN:				
THICKNESS OF STRATUM					Type: Johnson Dia.: 1 1/4				
DEPTH TO BOTTOM OF STRATUM					Slot/Gauze 60 Length 4'				
Sand Clay 60 60					Set between 126 ft. and 130 ft.				
Clay 66 126					Fittings:				
Sand Gravel 4 130					9 STATIC WATER LEVEL				
					4' ft. below land surface				
					10 PUMPING LEVEL below land surface				
					4 ft. after 3 hrs. pumping 10 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 <u>No Septic Tank In</u> 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				
16 Remarks, elevation, source of data, etc.					17 WATER WELL CONTRACTOR'S CERTIFICATION:				
ADDED INFO. BY <u>DRILLER</u> ITEM NO. <u>8151</u>					This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.				
CORRECTED BY <u>2</u>					<u>Freeman Pump Repair</u> 0535				
COADDITION BY _____					REGISTERED BUSINESS NAME REGISTRATION NO.				
					Address <u>Mulliken Michigan</u>				
					Signed <u>Freeman Ramey</u> Date <u>5/20/68</u>				
					AUTHORIZED REPRESENTATIVE				

MAY - 7 1970

GEOLOGICAL SURVEY COPY

WATER WELL RECORD

ACT 294 PA 1965

A 17820 MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL			3		
County Ionia	Twp. Boston	Fraction SW SE SW	Section No. 36	Town 6N	Range N/S. 8W E/W.
Distance And Direction from Road Intersections 3/4 mi. west of Jackson Rd. on Goodemote Rd. North side of Rd.			3 OWNER OF WELL: Jack Archer Address Rt.1 Clarksville, Mich 48815		
Street address & City of Well Location 329 Goodemote Rd. Clarksville			OWNER No. _____		
2 FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: (completed) 116 ft. Date of Completion 10/22/68		
Pump installation only			5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐ _____		
			6 USE: ☐ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐ _____		
			7 CASING: Threaded ☐ Welded ☐ Height: Above/Below surface _____ ft. Diam. _____ in. to _____ ft. Depth _____ in. to _____ ft. Depth _____ lbs./ft. Drive Shoe? Yes ☐ No ☐		
			8 SCREEN: Type: _____ Dia.: _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. Fittings: _____		
			9 STATIC WATER LEVEL _____ ft. below land surface		
			10 PUMPING LEVEL below land surface _____ ft. after _____ hrs. pumping _____ g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m.		
			11 WATER QUALITY in Parts Per Million: Iron (Fe) 1.5 Chlorides (Cl) _____ Hardness 513.0 30ppg		
			12 WELL HEAD COMPLETION: ☐ In Approved Pit ☒ Pitless Adapter ☒ 12" Above Grade		
			13 GROUTING: Well Grouted? ☐ Yes ☐ No Material: ☐ Neat Cement ☐ _____ Depth: From _____ ft. to _____ ft.		
			14 SANITARY: Nearest Source of possible contamination _____ feet _____ Direction _____ Type _____ Well disinfected upon completion ☒ Yes ☐ No		
			15 PUMP: Manufacturer's Name Red Jacket Model Number 7 BB HP 1/2 Length of Drop Pipe 84 ft. capacity 10 G.P.M. Type: ☒ Submersible ☐ _____ ☐ Jet ☐ Reciprocating		
16 Remarks, elevation, source of data, etc. Well log sent 12/18/68 Pump installed June 11, 1969 well put into operation at this time.			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. C.E. Sullivan Well Drilling 0047 REGISTERED BUSINESS NAME REGISTRATION NO. Address Rt.1 Clarksville Mich 48815 Signed C.E. Sullivan Date _____ AUTHORIZED REPRESENTATIVE		

AUG 14 1969

GEOLOGICAL SURVEY COPY

WATER WELL RECORD

ACT 294 PA 1965

MIT 820 MICHIGAN DEPARTMENT OF PUBLIC HEALTH

1 LOCATION OF WELL		Twp. <u>Boston</u>		Fraction <u>SE SW SW</u>	Section No. <u>36</u>	Town <u>6 N 1/2</u>	Range <u>8 E 1/2</u>
County <u>Lenia</u>		Distance And Direction from Road Intersection <u>3/4 MI. W of Jackson Rd. ON Goode Mote Rd. N. Side of Rd.</u>		OWNER No. _____		3 OWNER OF WELL: <u>Jack Archer</u>	
Street address & City of Well Location <u>329 Goodemote Rd. Clarksville</u>		4 WELL DEPTH: (completed) <u>116</u> ft.		Date of Completion <u>10/22/68</u>		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug	
2 FORMATION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		6 USE: ☒ Domestic ☐ Public Supply ☐ Industry	
<u>Topsoil - marrow</u>		<u>10</u>		<u>10</u>		☐ Irrigation ☐ Air Conditioning ☐ Commercial	
<u>Clay - soft</u>		<u>60</u>		<u>70</u>		☐ Test Well ☐ _____	
<u>Sand - gravel w/water - streaked with clay</u>		<u>27</u>		<u>97</u>		7 CASING: Diam. <u>4</u> in. to <u>116</u> ft. Depth	
<u>Clay w/sand & gravel</u>		<u>12</u>		<u>109</u>		Height: Above/Below surface <u>1</u> ft.	
<u>Sand & gravel - water</u>		<u>7</u>		<u>116</u>		Weight <u>10.79</u> lbs/ft.	
<u>Clay at bottom</u>						Drive Shoe? Yes ☒ No ☐	
						8 SCREEN: Type: <u>Johnson SS</u> Dia.: <u>4</u>	
						Slot/Gauze <u># 7</u> Length <u>5'</u>	
						Set between <u>on</u> ft. and <u>bottom</u> ft.	
						Fittings: <u>K. Archer 3" x 1' nipple</u>	
						9 STATIC WATER LEVEL <u>4</u> ft. below land surface	
						10 PUMPING LEVEL below land surface <u>4</u> ft. after _____ hrs. pumping <u>25</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: ☐ In Approved Pit ☐ Pitless Adapter ☒ 12" Above Grade	
						13 GROUTING: Well Grouted? ☒ Yes ☐ No	
						Material: ☐ Neat Cement ☐ _____	
						Depth: From _____ ft. to _____ ft.	
						14 SANITARY: Nearest Source of possible contamination <u>60</u> feet <u>S</u> Direction <u>Septic</u> Type _____	
						Well disinfected upon completion ☒ Yes ☐ No	
ADDED INFO. BY DRILLER, ITEM NO.						15 PUMP: Manufacturer's Name <u>Not Installed</u>	
CORRECTED BY: _____						Model Number _____ HP	
ADDITION BY: _____						Length of Drop Pipe _____ ft. capacity _____ G.P.M.	
						Type: ☐ Submersible ☐ _____	
						☐ Jet ☐ Reciprocating	
16 Remarks, elevation, source of data, etc. <u>825 ±</u> <u>Water sample not taken at this time</u> <u>Pump will be installed at later date.</u> <u>Water sample record will accompany log then.</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. WELL DRILLING & PUMP SERVICE REGISTERED BUSINESS NAME Address _____ Signed <u>Ch. Sullivan</u> Date <u>12/18/68</u> AUTHORIZED REPRESENTATIVE			

36-11

MAY 22 1972

WATER WELL RECORD

ACT 284 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County **Ionia** Township Name **Boston** Fraction **ne ¼ ne ¼ ne ¼** Section Number **36** Town Number **6 N/2** Range Number **8 E/W.**

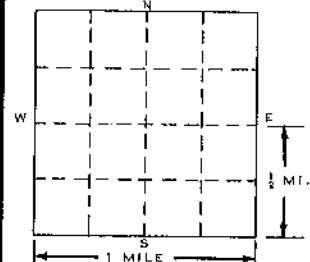
Distance And Direction from Road Intersections

(not known)

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



(not known)

2 FORMATION THICKNESS OF STRATUM DEPTH TO BOTTOM OF STRATUM

clay-gray

12

12

sandy clay-gray

21

33

water sand-gray

6

39

3 OWNER OF WELL:

Address

Bill Driver
Morrison Lake
Lowell, Michigan

4 WELL DEPTH: (completed) Date of Completion

39

ft.

4/20/71

5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug☐ Hollow rod ☐ Jetted ☐ Bored ☐6 USE: ☒ Domestic ☐ Public Supply ☐ Industry☐ Irrigation ☐ Air Conditioning ☐ Commercial☐ Test Well ☐7 CASING: Threaded ☐ Welded ☒

Diam.

Height: Above/Below

Surface _____ ft.

4 in. to 39 ft. Depth

Weight 10.79 lbs./ft.

_____ in. to _____ ft. Depth

Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: plastic

Dia.: 3"

Slot/Groove 12

Length 6'8"

Set between 33 ft. and 39 ft.

Fittings:

9 STATIC WATER LEVEL

5 ft. below land surface

10 PUMPING LEVEL below land surface

20

ft. after 2 hrs. pumping

15

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 Adaptor ☐ 12" Above Grade13 Well Grouted? ☐ Yes ☒ No☐ Neat Cement ☐ Bentonite ☐

Depth: From _____ ft. to _____ ft.

14 Nearest Source of possible contamination

_____ feet _____ Direction _____ Type

Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name **Aermotor**Model Number **SA50M** HP **1** Volts **230**

Length of Drop Pipe _____ ft. capacity _____ G.P.M.

Type: ☒ Submersible☐ Jet☐ Reciprocating

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM No.

CORRECTED BY:

ADDITION BY:

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.

Karl F. Geiger, Jr.

0700

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **R#3 Belding, Michigan 48809**Signed **Karl F. Geiger, Jr.** Date _____

AUTHORIZED REPRESENTATIVE

DEC 29 1971

WATER WELL RECORD

ACT 284 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
IONIA		BOSTON		SW 1/4 SE 1/4 SW 1/4		36		6		N/8.		8 E/W.	
Distance And Direction from Road Intersections													
5 mi. E of Elm Rd., 5 miles west of Jackson Rd. N side of Rd.													
Street Address & City of Well Location Goodemote Rd., Clarksville,													
Locate with "X" in section below Sketch Map:													
2 FORMATION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:							
Clay-gray		51		51		Address Mary Potter Goodemote Rd. Clarksville, Mi. 48815							
Gravel & sand cemented with clay		14		65		4 WELL DEPTH: (completed) Date of Completion							
Clay-streaked with sand & gravel		32		97		103 ft. Sept 27, 1971							
Sand Water Bearing		6		103		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dig							
						☐ Hollow rod ☐ Jetted ☐ Bored ☐							
						6 USE: ☒ Domestic ☐ Public Supply ☐ Industry							
						☐ Irrigation ☐ Air Conditioning ☐ Commercial							
						☐ Test Well ☐							
						7 CASING: Threaded ☐ Welded ☒ Height: Above/Surface <u>1</u> ft.							
						4 in. to 98 ft. Depth Weight 10.79 lbs./ft.							
						in. to ft. Depth Drive Shoe? Yes ☒ No ☐							
						8 SCREEN:							
						Type: Johnson S S Dia.: 4"							
						Slot/Gauge #10 Length 5'							
						Set between 98 ft. and 103 ft.							
						Fittings: K Packer-3"xl' nipple-3" plug							
						9 STATIC WATER LEVEL							
						8 ft. above land surface							
						10 PUMPING LEVEL below land surface							
						10 ft. after 3 hrs. pumping 20 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 Adaptor ☒ 12" Above Grade							
						13 Well Grouted? ☐ Yes ☒ No							
						☐ Neat Cement ☐ Bentonite ☐							
						Depth: From ft. to ft.							
						14 Nearest Source of possible contamination							
						55 feet W Direction Septic Type							
						Well disinfected upon completion ☒ Yes ☐ No							
						15 PUMP: ☐ Not installed							
						Manufacturer's Name Rapidayton							
						Model Number 5P37 HP 1/2 Volts 230							
						Length of Drop Pipe 21 ft. capacity 7 G.P.M.							
						Type: ☒ Submersible							
						☐ Jet ☐ Reciprocating							
16 Remarks, elevation, source of data, etc.													
ADDITIONAL INFO. BY DRILLER ITEM NO. 1 CORRECTED BY ADDITION BY													
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.													
SULLIVAN WELL DRILLING 0047													
REGISTERED BUSINESS NAME REGISTRATION NO.													
Address Clarksville, Michigan 48815													
Signed Jay S. Sullivan Date Nov. 17, 1971													
AUTHORIZED REPRESENTATIVE													

36-10

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		County <u>Sanil</u>		Twp. <u>Boaton?</u>	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section No. <u>36?</u>	Town <u>6? N/S.</u>	Range <u>8? E/W</u>
Distance And Direction from Road Intersections <u>Morrison Lake</u> Street address & City of Well Location					3 OWNER OF WELL Address <u>Jack Green</u> <u>Mulliken Mich</u>			
2 FORMATION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: (completed) Date of Completion <u>130'</u> ft. <u>April 18/68</u>				
<u>Sandy clay</u>		<u>60</u>	<u>60</u>	5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☒ Hollow rod ☐ Jetted ☐ Borad ☐				
<u>clay</u>		<u>40</u>		6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐				
<u>Sand & gravel</u>		<u>30</u>	<u>30</u>	7 CASING: Diam. Threaded ☒ Welded ☐ <u>2</u> in. to <u>1 1/2</u> ft. Depth Height: Above/Below surface <u> </u> ft. Weight <u>3.75</u> lbs./ft. Drive Shoe? Yes ☒ No ☐				
				8 SCREEN: Type <u>Johnson</u> Dia. <u>1 1/2</u> Slot/Gauze <u>60</u> Length <u>4</u> Set between <u>126</u> ft. and <u>130</u> ft. Fittings:				
				9 STATIC WATER LEVEL <u>4</u> ft. below land surface				
				10 PUMPING LEVEL below land surface <u>4</u> ft. after <u>3</u> hrs. pumping <u>10</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: ☐ In Approved Pit ☐ Pitless Adapter ☒ 12" Above Grade				
				13 GROUTING: Well Grouted? ☐ Yes ☐ No Material: ☐ Neat Cement ☐ Depth: From _____ ft. to _____ ft.				
				14 SANITARY: Nearest Source of possible contamination <u>not Septic tank</u> _____ feet _____ Direction _____ Type _____ Well disinfected upon completion ☒ Yes ☐ No				
				15 PUMP: Manufacturer's Name <u>not installed</u> Model Number _____ HP _____ Length of Drop Pipe _____ ft. capacity _____ G.P.M. Type: ☐ Submersible ☐ ☐ Jet ☐ Reciprocating				
16 Remarks, elevation, source of data, etc. ADDED INFO. BY DRILLER, ITEM NO. *CORRECTED BY: *MODIFICATION BY:				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>Francis Remy Rapp</u> <u>0535</u> REGISTERED BUSINESS _____ REGISTRATION NO. _____ Address <u>Mulliken</u> Signed <u>Francis Remy Rapp</u> Date <u>May/68</u> AUTHORIZED REPRESENTATIVE				

APR 28 1969

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Yonia Twp. Boston Fraction 1/4 NW 1/4 NE 1/4 Section No. 36 Town 6 N.S. Range 8 E.W.

Distance And Direction from Road Intersections

OWNER No. _____

Morrison Lake Agave Garden
Street address & City of Well Location Club House

3 OWNER OF WELL

Address

Paul Benichuk
Helroel Street

2

FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

4 WELL DEPTH: (completed)

Date of Completion

72 ft. April 24/68
5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug
☒ Hollow rod ☐ Jetted ☐ Bored ☐

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

7 CASING: Threaded ☐ Welded ☐ Height: Above/Below
Diam. 2 in. to 6.8 ft. Depth surface ft.
Weight 3.75 lbs/ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN
Type: Johnson Dia.: 1 1/2
Slot/Gauze 60 Length 4
Set between 6.8 ft. and 72 ft.
Fittings: _____

9 STATIC WATER LEVEL

30 ft. below land surface

10 PUMPING LEVEL below land surface

30 ft. after 2 hrs. pumping 10 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: ☐ In Approved Pit☒ Pitless Adapter ☒ 12" Above Grade

13 GROUTING:

Well Grouted? ☐ Yes ☐ NoMaterial: ☐ Neat Cement ☐

Depth: From _____ ft. to _____ ft.

14 SANITARY:

Nearest Source of possible contamination

50 feet N Direction S. of typeWell disinfected upon completion ☒ Yes ☐ No

15 PUMP:

Manufacturer's Name MeyerModel Number _____ HP 3/4Length of Drop Pipe 42 ft. capacity 108 G.P.M.Type: ☐ Submersible ☐☒ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

ADDED INFO. BY DRILLER, ITEM NO. _____

*CORRECTED BY: _____

*ADDITION BY: _____

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.

REGISTERED BUSINESS NAME

REGISTRATION NO. 0535Address MullerSigned For Morris Ramsey

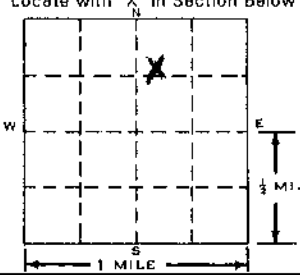
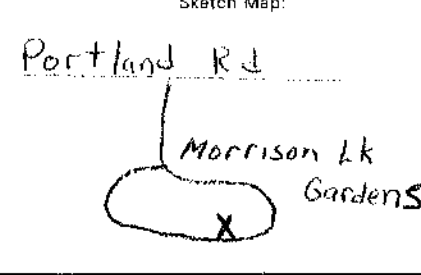
AUTHORIZED REPRESENTATIVE

Date May 68

D67d 2/84

WATER WELL AND PUMP RECORD

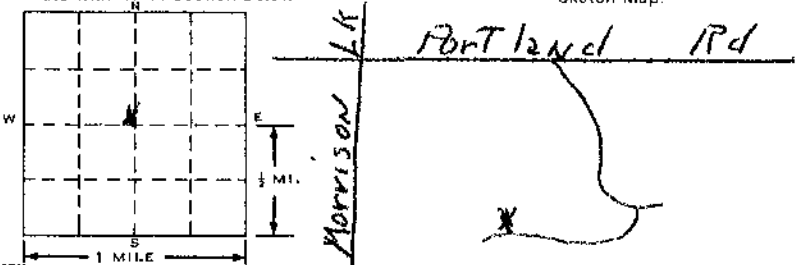
PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County onia	Township Name oston	Fraction SW 1/4 NW 1/4 NE 1/4	Section Number 36
		Town Number 6	Range Number 8
Distance And Direction From Road Intersection Well located 1/2 Mi. E. of Morrison Lk. Rd. and 1/4 Mi. S. of Ptld. Rd.		Address John Senninger 235 Wallingwood Grand Rapids, MI 49503	
Street Address & City of Well Location		Address Same As Well Location? ☐ Yes ☒ No	
Locate with "X" in Section Below	Sketch Map:		
			
2 FORMATION DESCRIPTION		4 WELL DEPTH: (completed)	
	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Date of Completion 5-23-85
Sand and Clay	15	15	64 ft.
Clay	7	22	
Sand and Clay	7	29	
Clay	29	58	
Sand	6	64	
		5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug	
		☐ Hollow rod ☐ Auger ☒ Jetted	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public	
		☐ Irrigation ☐ Type IIa Public ☐ Heat pump	
		☐ Test Well ☐ Type IIb Public	
		7 CASING: ☒ Steel ☒ Threaded ☐ Plastic ☐ Welded	
		Height: Above Surface 1 ft.	
		2 in. to 60 ft. depth	
		Weight 3.25 lbs./ft.	
		Grouted Drill Hole Diameter	
		Drive Shoe ☒ Yes ☐ No	
		8 SCREEN: ☐ Not Installed	
		Type Johnson SS Diameter 1 1/4	
		Slot 5/16 7 Length 4'	
		Set between 60 ft. and 64 ft.	
		FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check	
		☒ Blank above screen 1 ft. Other	
		9 STATIC WATER LEVEL: ☐ Flow	
		9 ft. below land surface	
		10 PUMPING LEVEL: below land surface	
		ft. after hrs. pumping at G.P.M.	
		ft. after hrs. pumping at G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade	
		☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☒ No ☐ Yes From to ft	
		☐ Neat cement ☐ Bentonite ☐ Other	
		No. of bags of cement Additives	
		13 Nearest source of possible contamination	
		Type Sewer Line Distance 17 ft Direction S	
		Well disinfected upon completion? ☒ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only	
		Manufacturer's name existing Sears	
		Model number HP Volts	
		Length of Drop Pipe 25 ft. capacity G.P.M.	
		TYPE: ☐ Submersible ☐ Jet	
		PRESSURE TANK.	
		Manufacturer's name existing Sears	
		Model number Capacity Gallons	
15. Remarks, elevation, source of data, etc.		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.	
RECEIVED Mich. Dept. of Public Health MAY 31 1985 Bureau of Environmental and Occupational Health - GWQS		G.L. Seese Well Drilling 34-1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, MI. 48815 Signed <i>Gerald Seese</i> Date 5-25-85 AUTHORIZED REPRESENTATIVE	
		Authority: Act 368 PA 1978 Completion: Required Penalty: Conviction of a violation of any provision is a misdemeanor.	

WATER WELL AND PUMP RECORD

PERMIT NUMBER

7645

1 LOCATION OF WELL		County Ionia		Township Name Boston		Fraction SE 1/4 SE 1/4 NW 1/4		Section Number 36		Town Number 6 N 3X		Range Number 8 E/W	
Distance And Direction From Road Intersection Well located 1/4 Mi. S. of Portland Rd. and 1/4 Mi. E. of Morrison Lk. Rd. Paradise Park, Clarksville, Mi. 48815						3 OWNER OF WELL HARRY ADAMS Address 10317 Hart Hwy. Diamondale, Mi. 48821 Address Same As Well Location? ☐ Yes ☒ No							
Street Address & City of Well Location Morrison Lake Garden, Savannah						4 WELL DEPTH: (completed) 74 ft. Date of Completion 4-9-85							
Locate with "X" in Section Below 						5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐							
2 FORMATION DESCRIPTION						6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐							
THICKNESS OF STRATUM						7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Diameter 5 in. to 70 ft. depth Height: Above/Below xxx Surface 1 ft. Weight SDR-21 lbs./ft. Grouted Drill Hole Diameter 8 in. to 70 ft. depth Drive Shoe ☐ Yes ☒ No							
DEPTH TO BOTTOM OF STRATUM						8 SCREEN: ☐ Not Installed Type Johnson SS Diameter 4" Slot/Gauge xxx 12 Length 4' Set between 70 ft. and 74 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen 1 ft. Other _____							
Clay and Sand						9 STATIC WATER LEVEL: 9 ft. below land surface ☐ Flow							
Clay						10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.							
Clay and Sand						11 WELL HEAD COMPLETION: ☐ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit							
Clay and Gravel						12 WELL GROUTED? ☐ No ☒ Yes From 0 to 70 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____							
Sand						13 Nearest source of possible contamination Type Sewer Line Distance 12 ft. Direction W Well disinfected upon completion? ☒ Yes ☐ No							
RECEIVED Mich. Dept. of Public Health MAY 6 8 1985 Bureau of Environmental and Occupational Health - GWQS						14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model number _____ HP 1/2 Volts 115 Length of Drop Pipe 40 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Amtrol Model number WX-202 Capacity _____ Gallons							
15. Remarks, elevation, source of data, etc.						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. G.I. Seese Well Drilling 34-1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed Gerald Seese Date 4-12-85 AUTHORIZED REPRESENTATIVE							

D67d 2/84

WATER WELL AND PUMP RECORD

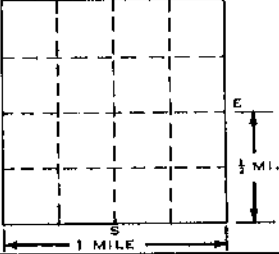
PERMIT NUMBER

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WATER WELL AND PUMP RECORD

PERMIT NUMBER

7 9 8 0

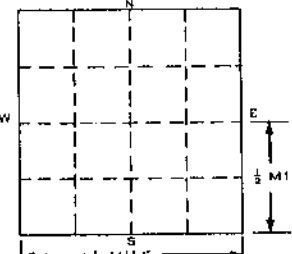
1 LOCATION OF WELL		3 OWNER OF WELL	
County Ionia	Township Name Boston	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section Number 36
		Town Number 6 N/8	Range Number 8 E/W
Distance And Direction From Road Intersection Plotted Sub Dausman Landing		Address 237 Dausman Pl. Saranac	
Street Address & City of Well Location 237 Dausman Pl.		Address Same As Well Location? ☒ Yes ☐ No	
Locate with "X" in Section Below 		Date of Completion July 9, 1985	
2 FORMATION DESCRIPTION		4 WELL DEPTH: (completed) 38 ft.	
		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
		7 CASING: ☒ Steel ☐ Threaded ☐ Above/Below ☐ Plastic ☒ Welded 4 in. to 34 ft. depth 3 in. to 38 ft. depth Grouted Drill Hole Diameter in. to ft. depth Drive Shoe ☒ Yes ☐ No	
Clay		THICKNESS OF STRATUM 20	
Fine Sand		DEPTH TO BOTTOM OF STRATUM 30	
Water Sand		8	
		38	
		8 SCREEN: ☐ Not Installed Type Stainless Diameter 3" Slot/Gauge 10 Length 4' Set between 34 ft. and 38 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen ft. Other	
		9 STATIC WATER LEVEL: 15 ft. below land surface ☐ Flow	
		10 PUMPING LEVEL: below land surface ft. after hrs. pumping at G.P.M. ft. after hrs. pumping at G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☐ No ☐ Yes From to ft. ☐ Neat cement ☐ Bentonite ☐ Other No. of bags of cement Additives	
		13 Nearest source of possible contamination Type Sewer Distance ft. Direction Well disinfected upon completion? ☒ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name McDonald Model number HP Volts 115 Length of Drop Pipe 30 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Well-x-Trol Model number W4202 Capacity 42 Gallons	
15. Remarks, elevation, source of data, etc.		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. A.B. Heaton & Sons 0346 REGISTERED BUSINESS NAME REGISTRATION NO. Address 3541 E. Belding RD. Belding Signed John E. Heaton Date 7-10-85 AUTHORIZED REPRESENTATIVE	

ACT 294 PA 1965

GEOLOGICAL SURVEY COPY

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County <u>LONIA</u>	Township Name <u>BOSTON</u>	Fraction <u>NW 1/4 SW 1/4 SW 1/4</u>	Section Number <u>36</u> Town Number <u>6</u> Range Number <u>8</u> <u>NE 1/4</u>
Distance And Direction From Road Intersection <u>Well located 1/8 mile E. of Elm Rd.</u> <u>and 50' N. of Goodemote Rd.</u> Street Address & City of Well Location <u>Clarksville, Mi. 48815</u>		Address <u>440 Cornell Drive</u> <u>Battle Creek, Mi. 49016</u> Address Same As Well Location? ☐ Yes ☒ No	
Locate with "X" in Section Below 		4 WELL DEPTH: (completed) <u>51</u> ft. Date of Completion <u>8-11-87</u>	
2 FORMATION DESCRIPTION		5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
THICKNESS OF STRATUM		7 CASING: Diameter ☒ Steel ☐ Threaded ☐ Welded ☐ Plastic ☐ Height: Above <u>100</u> ft. <u>4</u> in. to <u>43</u> ft. depth Surface <u>1</u> ft. <u> </u> in. to <u> </u> ft. depth Weight <u>11</u> lbs./ft. Grouted Drill Hole Diameter <u>6 3/4</u> in. to <u>43</u> ft. depth Drive Shoe ☒ Yes ☐ No	
		8 SCREEN: ☐ Not Installed Type <u>Stainless S</u> Diameter <u>4"</u> Slot/Grit <u>12&10</u> Length <u>8'</u> Set between <u>43</u> ft. and <u>51</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen <u>1</u> ft. Other <u> </u>	
Sandy Clay		9 STATIC WATER LEVEL: <u>9</u> ft. below land surface ☐ Flow	
Sand		10 PUMPING LEVEL: below land surface <u>test pumped @ 9 GPM</u> <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M. <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M.	
Sand and Gravel		11 WELL HEAD COMPLETION: ☐ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit	
Sand		12 WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>43</u> ft. ☐ Neat cement ☒ Bentonite ☐ Other <u> </u> No. of bags of cement <u> </u> Additives <u> </u>	
		13 Nearest source of possible contamination Type <u>Sewer L.</u> Distance <u>W</u> ft. Direction <u>12</u> Well disinfected upon completion? ☒ Yes ☐ No	
		14 PUMP: ☐ Not installed ☐ Pump Installation Only Manufacturer's name <u>Red Jacket</u> Model number <u>3CNW1-CN9BC</u> HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>33</u> ft. capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name <u>Clayton-Mark</u> Model number <u>CM-02</u> Capacity <u> </u> Gallons	
15. Remarks, elevation, source of data, etc.		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. <u>G.L. Seese & Sons Well Drilling</u> <u>34-1183</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>Clarksville, Mi. 48815</u> Signed <u>Gerald Seese</u> Date <u>8-12-87</u> AUTHORIZED REPRESENTATIVE	

USE A 2ND SHEET IF NEEDED

RECEIVED
Mich. Dept. of Public Health
AUG 25 1987

Bureau of Environmental
Occupational Health - GWOS

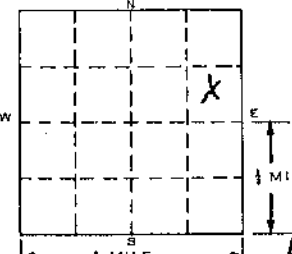
GEOLOGICAL SURVEY COPY

Authority:
Completion:
Penalty:

Act 368 PA 1978
Required
Conviction of a violation
of any provision is a
misdemeanor.

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		2 FORMATION DESCRIPTION		3 OWNER OF WELL	
County <i>Lonia</i>	Township Name <i>BOSTON</i>	Fraction <i>1/4 SW 1/4 NE 1/4</i>	Section Number <i>36</i>	Town Number <i>6 N</i>	Range Number <i>8 W</i>
Distance And Direction From Road Intersection <i>3/4 mile W of ON N SIDE OF SUNSET BEACH DR.</i>		Address <i>2015 29430 SUNSET BEACH CLARKSVILLE</i>			
Street Address & City of Well Location		Address Same As Well Location? ☐ Yes ☒ No			
Locate with "X" in Section Below		Date of Completion <i>8-20-85</i>			
Sketch Map 		4 WELL DEPTH: (completed) <i>84</i> ft.			
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐			
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
		7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Height: Above/Below Surface <i>1</i> ft. Weight <i>1</i> lbs./ft. Drive Shoe ☐ Yes ☒ No			
		8 SCREEN: ☐ Not installed Type <i>Johnson SS</i> Diameter <i>3" pipe size</i> Slot/Gauge <i>#6</i> Length <i>5'</i> Set between <i>1</i> ft. and <i>1</i> ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen <i>1</i> ft. Other <i>1</i>			
		9 STATIC WATER LEVEL: <i>16</i> ft. below land surface ☐ Flow			
		10 PUMPING LEVEL: below land surface <i>16</i> ft. after <i>1</i> hrs. pumping at <i>10</i> G.P.M. <i>16</i> ft. after <i>1</i> hrs. pumping at <i>10</i> G.P.M.			
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit			
		12 WELL GROUTED? ☐ No ☒ Yes From <i>1</i> to <i>1</i> ft. ☐ Neat cement ☒ Bentonite ☐ Other <i>1</i> No. of bags of cement <i>1</i> Additives <i>1</i>			
		13 Nearest source of possible contamination Type <i>1</i> Distance <i>1</i> ft. Direction <i>1</i> Well disinfected upon completion? ☐ Yes ☒ No			
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <i>Grundfos</i> Model number <i>SP2-12</i> HP <i>1/2</i> Volts <i>230</i> Length of Drop Pipe <i>40'</i> ft. capacity <i>10</i> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: <i>Clayton Mark</i> Manufacturer's name <i>Clayton Mark</i> Model number <i>220-05</i> Capacity <i>34</i> Gallons			
		15. Remarks, elevation, source of data, etc. <i>80' - SDR 31 - 5X4 spigot & 4X3 inch 30 gpm w/air @ 75'</i>			
		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. <i>Newton Well Services 0212</i> REGISTERED BUSINESS NAME <i>550 C. Cleveland Rd Hastings</i> Address <i>Laurel C Newton</i> Date <i>8-23-85</i> Signed <i>Laurel C Newton</i> AUTHORIZED REPRESENTATIVE			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

8 2 7 6

1 LOCATION OF WELL		3 OWNER OF WELL:																
County Ionia	Township Name Boston	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section Number 36															
		Town Number 6	Range Number 8 N/E															
Distance And Direction From Road Intersection Platted Sub Morrison Lk.		Address 327 Archer Clarksville Address Same As Well Location? ☒ Yes ☐ No																
Street Address & City of Well Location Locate with "X" in Section Below		4 WELL DEPTH: (completed) 135 ft. Date of Completion June 24, 1986																
		5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐																
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:40%;">2 FORMATION DESCRIPTION</th> <th style="width:20%;">THICKNESS OF STRATUM</th> <th style="width:20%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> <tr> <td>Sand</td> <td>18</td> <td>18</td> </tr> <tr> <td>Clay</td> <td>60</td> <td>78</td> </tr> <tr> <td>Clay and Gravel</td> <td>44</td> <td>122</td> </tr> <tr> <td>Gravel and Sand</td> <td>13</td> <td>135</td> </tr> </table>		2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Sand	18	18	Clay	60	78	Clay and Gravel	44	122	Gravel and Sand	13	135	7 CASING: ☒ Steel ☒ Threaded ☐ Plastic ☐ Welded Diameter 4 in. to 135 ft. depth 3 in. to 135 ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☒ Yes ☐ No	
		2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM														
Sand	18	18																
Clay	60	78																
Clay and Gravel	44	122																
Gravel and Sand	13	135																
		8 SCREEN: ☐ Not Installed Type Stainless Diameter 3" Slot/Screen 10 Length 4' Set between 130 ft and 135 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 4 ft. Other _____																
		9 STATIC WATER LEVEL: Ground ft. below land surface ☐ Flow																
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit																
		12 WELL GROUTED? ☐ No ☒ Yes From _____ to _____ ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																
		13 Nearest source of possible contamination Type Control Distance _____ ft. Direction _____ Well disinfected upon completion? ☒ Yes ☐ No																
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name McDon: 13 Model number _____ HP 1/2 Volts 220 Length of Drop Pipe 55 ft. capacity 15 G.P.M. TYPE ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Peema Model number _____ Capacity 42 Gallons																
15. Remarks, elevation, source of data, etc. RECEIVED OCT 29 1986 Ionia County Health Dept. Bureau of Environmental and Occupational Health-GWQS		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. A.R. Heston & Sons 0346 REGISTERED BUSINESS NAME REGISTRATION NO. Address 3541 E. Belding Rd., Belding Signed _____ Date 6-24-86 AUTHORIZED REPRESENTATIVE																

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

PERMIT NUMBER

8600

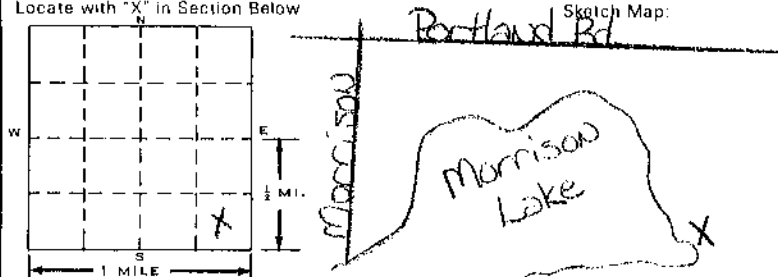
1 LOCATION OF WELL		3 OWNER OF WELL:	
County Ionia	Township Name Boston	Fraction NE 1/4 NE 1/4 NE 1/4	Section Number 36
		Town Number 6 N/XX	Range Number 8 XXW
Distance And Direction From Road Intersection Well located 300' W. of Jackson Rd. and 1/4 mile S. of Ptd. Rd.		Address Micheal Allen 8325 Jackson Rd. Lake Odessa, Mi. 48849 Address Same As Well Location? ☒ Yes ☐ No	
Street Address & City of Well Location Locate with "X" in Section Below		4 WELL DEPTH: (completed) 50 ft. Date of Completion 11-7-86	
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
2 FORMATION DESCRIPTION		7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Diameter 5 in. to 46 ft. depth Height: Above/Below XXXX Surface 1 ft. Weight SDR-21 lbs./ft. Drive Shoe ☐ Yes ☒ No	
		8 SCREEN: ☐ Not Installed Type stainless S. Diameter 4" Slot/Groove 10 Length 4" Set between 46 ft. and 50 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen ☐ Other	
Clay 16 16		9 STATIC WATER LEVEL 15 ft. below land surface ☐ Flow	
Sand 24 40		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
Clay 5 45		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit	
Sand 5 50		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 46 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement _____ Additives _____	
		13 Nearest source of possible contamination Type Septic Distance 52 ft. Direction SE Well disinfected upon completion? ☒ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model 50NHL-CNOC HP 1/2 Volts 230 Length of Drop Pipe 36 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name existing Model number _____ Capacity _____ Gallons	
RECEIVED Mich. Dept. of Public Health JAN 07 1987 Bureau of Electronic and Environmental Health - GWQS		15. Remarks, elevation, source of data, etc.	
USE A 2ND SHEET IF NEEDED		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. G.L. Seese and Sons Well Drlg. 34-1183,1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarkeville, Mi. 48815 Signed Timothy Seese Date 12-26-86 AUTHORIZED REPRESENTATIVE	

WATER WELL AND PUMP RECORD

1 01 6 8

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																
County Washtenaw Ionia	Township Name Boston	Fraction W 1/4 SW 1/4 NW 1/4	Section Number 36															
		Town Number 6	Range Number 8 N 1/2 W															
Distance And Direction From Road Intersection Well located 1/2 mile E. of Morrison LK. Rd. and 60' E. of Paradise Rd.		Address Gilbert Hart 763 Paradise Park Saranac, Mi. 48881																
Street Address & City of Well Location Locate with "X" in Section Below		Address Same As Well Location? ☒ Yes ☐ No																
		4 WELL DEPTH: 54 FT. Date Completed: 9/19/89 ☐ New Well ☒ Replacement Well																
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐																
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐																
		7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below SDR-21 5 in. to 50 ft. depth 1 ft. Surface Grouted Drill Hole Diameter 7 7/8 in. to 50 ft. depth 54 ft. Weight 21 lbs./ft. Drive Shoe ☐ Yes ☒ No																
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">FORMATION DESCRIPTION</th> <th style="width:20%;">THICKNESS OF STRATUM</th> <th style="width:20%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Clay</td> <td>16</td> <td>16</td> </tr> <tr> <td>Clay and Sand</td> <td>15</td> <td>31</td> </tr> <tr> <td>Clay</td> <td>15</td> <td>46</td> </tr> <tr> <td>Clay and Sand</td> <td>8</td> <td>54</td> </tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	16	16	Clay and Sand	15	31	Clay	15	46	Clay and Sand	8	54	8 SCREEN: ☐ Not Installed Type Stainless S Diameter 4" Slot 12 Length 4" Set between 50 ft. and 54 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bromer Check ☒ Blank above screen 1 ft. Other	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM														
		Clay	16	16														
		Clay and Sand	15	31														
Clay	15	46																
Clay and Sand	8	54																
9 STATIC WATER LEVEL: 8 ft. below land surface ☐ Flow																		
10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																		
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit																		
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement _____ Additives _____																		
13 Nearest source of possible contamination Type Sewer Line Distance 11 ft. Direction E. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No																		
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number S2N52-10 HP 1/2 Volts 230 Length of Drop Pipe 33 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Structural Fiber Model number WM-9UG Capacity _____ Gallons																		
15. Remarks, elevation, source of data, etc.		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. G.L.Seese & Sons Well Drlg. 34-1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed G.L. Seese Date 9-21-89 AUTHORIZED REPRESENTATIVE																
17. Rig Operator's Name: Timothy Seese																		

1 LOCATION OF WELL									
County Ionia		Township Name Boston		Fraction 1/4 1/4 1/4	Section Number 36		Town Number 6 N/S	Range Number 8 E/W	
Distance And Direction From Road Intersection 235 Elm Rd. Dausman Park Clarksville, MI 48815 Street Address & City of Well Location				3 OWNER OF WELL: Bruce Walters 606 Riverside Dr. Address Lowell, MI 49331 Address Same As Well Location? ☐ Yes ☒ No					
Locate with "X" in Section Below 				4 WELL DEPTH: Date Completed 63 FT. MC. DAY YEAR ☒ New Well ☐ Replacement Well					
				5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐					
				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐					
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		7 CASING Diameter ☒ Steel ☐ Threaded Height: Above/Below Surface 1 ft. ☐ Plastic ☒ Welded Weight 1079 lbs./ft. 4 in. to 54 ft. depth in. to _____ ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth _____ in. to _____ ft. depth Drive Shoe ☒ Yes ☐ No	
Top Soil				1		1		8 SCREEN: ☐ Not Installed Type Plastic Diameter 3" Slot/Gauze 0.12 Length 10' Set between 53 ft and 63 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremor Check ☐ Blank above screen _____ ft. Other _____	
Sand				11		12		9 STATIC WATER LEVEL: 1 ft. below land surface ☐ Flow	
Sandy Clay				10		22		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
Clay				31		53		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit	
Water Sand				10		63		12 WELL GROUTED? ☒ No ☐ Yes From _____ to _____ ft. ☐ Neat cement ☐ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____	
								13 Nearest source of possible contamination Type _____ Distance _____ ft. Direction _____ Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No	
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model number _____ HP 1/2 Volts 230 Length of Drop Pipe 15 ft. capacity _____ G.P.M. TYPE: ☒ Submersible ☐ Jot _____ PRESSURE TANK: Manufacturer's name X-trol Model number 202 UG Capacity _____ Gallons	
USE A 2ND SHEET IF NEEDED									
15. Remarks, elevation, source of data, etc.				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. Geiger Water Well Const. Inc. 0700 REGISTERED BUSINESS NAME REGISTRATION NO. Address 5043 Whites Bridge Rd. Belding, 48 Signed [Signature] Date 5-8-90					
17. Rig Operator's Name:									

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO:	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County <u>Zonia</u>		<u>BOSTON</u>		<u>N 1/4 14 N 1/4 5 W</u>	<u>36</u>	<u>6 N</u>	<u>8 W</u>
Distance and Direction from Road Intersection							
Street Address & City of Well Location							
Locate with 'x' in Section Below				Sketch Map			
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM		3. OWNER OF WELL		
<u>Brown Clay - Sandy</u>		<u>21'</u>	<u>21'</u>		Address <u>Kenneth Smith</u>		
<u>Sand & Gravel</u>		<u>51'</u>	<u>72'</u>		Address <u>726 Wildwood Dr.</u>		
					Address Same as Well Location ☒ Yes ☐ No		
					4. WELL DEPTH: <u>72</u> ft.		
					Date Completed <u>/ /</u>		
					☒ 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		
					Diameter: <u>5</u> in. to <u> </u> ft. depth		
					Weight: <u> </u> lbs./ft.		
					BORE HOLE: <u>7 7/8</u> in. to <u>72</u> ft. depth		
					☐ Drive Shoe		
					☐ Shale Packer		
					8. SCREEN: ☐ Not Installed ☐ Gravel-Packed		
					Type <u>Stainless</u> Diameter <u>4"</u>		
					Slot/Aperture <u>68</u> Length: <u>4'</u>		
					Set Between <u>68</u> ft. and <u>72</u> ft.		
					FITTINGS: ☐ K-Packer ☐ Bremer Check		
					☐ Blank Above Screen <u> </u> ft. Other <u> </u>		
					9. STATIC WATER LEVEL: <u>22</u> ft. Below Land Surface ☐ Flowing		
					10. PUMPING LEVEL: Below Land Surface		
					ft. After <u> </u> hrs. Pumping at <u>40</u> 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 <u>0</u> to <u>6.1</u> ft.		
					☐ Neat Cement ☒ Bentonite ☐ Other <u> </u>		
					No. of Bags <u> </u> Additives <u> </u>		
					13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:		
					Type <u>Sewer</u> Distance <u>35</u> ft. Direction <u>East</u>		
					Type <u> </u> Distance <u> </u> ft. Direction <u> </u>		
					14. PUMP: ☐ Not Installed ☐ Pump Installation Only		
					Manufacturer's Name <u>Red Jacket</u>		
					Model Number <u>Renegade</u> HP <u>1/2</u> Volts <u>230</u>		
					Length of Drop Pipe <u>45</u> ft. Capacity <u>10</u> G.P.M.		
					TYPE: ☒ Submersible ☐ Jet ☐ Other <u> </u>		
					PRESSURE TANK:		
					Manufacturer's Name <u> </u>		
					Model Number <u> </u> Capacity <u> </u> Gallons		
15. ABANDONED WELL PLUGGED? ☒ Yes ☐ No		Casing Diameter <u>2</u> in.		Depth <u> </u> ft.		PLUGGING MATERIAL:	
						☐ Neat Cement ☐ Bentonite Slurry	
						☐ Concrete Grout ☒ Bentonite Chips	
						No. of Bags <u> </u> Casing Removed? ☐ Yes ☐ No	
16. REMARKS: (Elevation, Source of Data, etc.)							
17. DRILLING MACHINE OPERATOR:							
☐ Employee ☐ Subcontractor							
Name <u>Jim D.</u>							
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.							
REGISTERED BUSINESS NAME <u>Dawning W.O.</u> REGISTRATION NO. <u>2092</u>							
Address <u>1985 Knoll Rd. Portland.</u>							
Signed <u>James Blum</u> Date <u> </u>							
AUTHORIZED REPRESENTATIVE							

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County

Ionia

Township Name

Fraction

1/4

1/4

1/4

Section No.

36

Town No.

6N

Range No.

8W

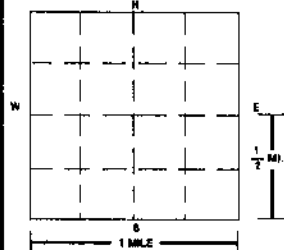
Distance and Direction from Road Intersection

3/4 mile N.E. of Morrison Lake rd.
 ON Paradise Park.

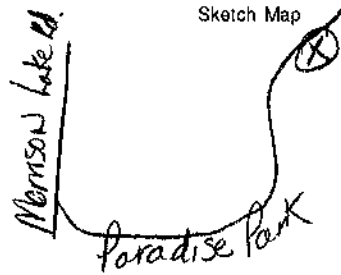
Street Address & City of Well Location

807 Paradise Park Saranac

Locate with 'x' in Section Below



Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand	0	26
Clay	26	38
Sand + Gravel	21	59

Map 3-97
 GROUND WATER SUPPLY

3. OWNER OF WELL

Address

Robert Morales
 807 Paradise Park
 Saranac, MI. 48881

Address Same as Well Location

☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

59 ft.

9/30/96

☐ New Well☒ Replacement Well5. ☐ 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

Height: Above/Below

☐ Plastic☐ Welded

Surface: 1 ft

☐ Other

Diameter: 3" in. to 55 ft. depth

Weight: 7.7 lbs./ft.

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: _____ in. to _____ ft. depth

☒ Drive Shoe

_____ in. to _____ ft. depth

☐ Shale Packer

8. SCREEN:

☐ Not Installed☐ Gravel-Packed

Type: stainless

Diameter: 2"

Slot/Gauze: 12

Length: 4'

Set Between: 35'

ft. and 59 ft.

FITTINGS:

☒ K-Packer☐ Bremer Check☐ Blank Above Screen

ft. Other

9. STATIC WATER LEVEL:

2 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After _____ hrs. Pumping at _____ 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 _____ to _____ ft.

☐ Neat Cement☐ Bentonite☐ Other

No. of Bags

Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: Municipal Sewer

Distance: 40 ft.

Direction: East

Type: _____

Distance: _____ ft.

Direction: _____

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name: Grundfos

Model Number: Jet Sub HP: 1/2 Volts

Length of Drop Pipe: 40 ft. Capacity: 10 G.P.M.

TYPE: ☒ Submersible ☐ Jet ☐ Other

PRESSURE TANK:

Manufacturer's Name: Well X-trol

Model Number: 203 Capacity: 30 Gallons

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in.

Depth _____ ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☐ Bentonite Chips

No. of Bags _____

Casing Removed?

☐ Yes ☐ No

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

17. 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.

O'Connor Well Drilling

1762

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address: 4350 Noddins Rd. Belding

Signed: Patricia O'Connor

Date: 2-8-97

AUTHORIZED REPRESENTATIVE

**MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD**

PERMIT NUMBER: **12397**

1 LOCATION OF WELL		34060836004		Tax Parcel No.	
County IONIA	Township Name BOSTON	Fraction SE 1/4 NW 1/4 SE 1/4	Section No. 36	Town No. 06 N	Range No. 08 W
Distance And Direction From Road Intersection 266 DAUSMAN PK, CLARKSVILLE Street Address & City of Well Location			3 OWNER OF WELL DARYL STOREY Address 266 DAUSMAN PK CLARKSVILLE, Address Same As Well Location? ☒ Yes ☐ No		
Locate with 'x' in Section Below N E 1/2 mi. 1 mi. - S		Sketch Map: 		4 WELL DEPTH: 33.0 ft. Date Completed 10/22/93 ☒ New Well ☐ Replacement Well	
				5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger/Bored ☒ Jetted	
				6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type II Public ☐ Heat Pump ☐ Test Well ☐ Type IIb Public	
		7 CASING: ☒ Steel ☐ Threaded ☐ Plastic ☐ Welded		Height: Above Surface 1.0 ft.	
		Diameter 2.00 in. to 29.0 ft. depth 0.00 in. to 0.0 ft. depth Grouted Drill Hole Diameter 0.00 in. to 0.0 ft. depth 0.00 in. to 0.0 ft. depth		Weight ___ lbs/ft. Drive Shoe ☒ Yes ☐ No	
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	8 SCREEN ☐ Not Installed	
CLAY	28.0	28.0	Type Stainless Steel Diameter 1.25 SLOT 0.010 Length 4.0 Set between 29.00 ft. and 33.00 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☒ Bremmer Check ☒ Blank above screen 1.0 ft. Other		
SAND	5.0	33.0	9 STATIC WATER LEVEL: 15.00 ft. below land surface ☐ Flow		
			10 PUMPING LEVEL: below land surface 0 ft. after 0.0 hrs. pumping at 0 G.P.M. 0 ft. after 0.0 hrs. pumping at 0 G.P.M.		
			11 WELL HEAD COMPLETION: ☐ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit		
			12 WELL GROUTED? ☐ No ☒ Yes From 0.0 to 29.0 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement ___ Additives ___		
			13 Nearest source of possible contamination Type Sewer Distance 30 ft. Direction W Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☒ No		
			14 PUMP: ☒ Not Installed ☐ Pump Installation Only Manufacturer's name ___ HP ___ Volts ___ Length of Drop Pipe 0 ft. capacity 0 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturers name ___ Model number ___ Capacity 0 Gallons		
15 Remarks, elevation, source of data, etc. Data Source: 1996		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. SHEPARD WELL DRILLING 1932 REGISTERED BUSINESS NAME REGISTRATION NO. Address 10012 S. STATE LAKE ODESSA, MI 48849 Signed Date 8-6-96 AUTHORIZED REPRESENTATIVE			
17 Rig Operator's Name: RANDY SHEPARD					

AUTHORITY: Act 368 PA 1978 COMPLETION: Required PENALTY: Conviction of a violation of any provision is a misdemeanor

GEOLOGICAL SURVEY COPY

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 15002					
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.				
County IONIA		BOSTON		SW 1/4 NW 1/4 SE 1/4	36	T 6 N	R 8 W				
Distance and Direction from Road Intersection OFF JACKSON RD, DOWN TO LAKE ON DAUSMAN PARK .											
Street Address & City of Well Location 239 DAUSMAN PARK											
Locate with 'x' in Section Below Sketch Map											
2. FORMATION DESCRIPTION				THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM						
TOP SOIL				5	5						
GRAY SANDY CLAY				23	28						
SAND with / water N/G				6	34						
GRAY CLAY				8	42						
WATER SAND				8	50						
RECEIVED MICH DEPT OF ENVIRONMENTAL QUALITY DEC 15 1997 Drinking Water & Radiological Protection Division Ground Water Supply Section WELL CONSTRUCTION UNIT RECEIVED DEC - 1 1997 IONIA COUNTY HEALTH DEPT.				3. OWNER OF WELL							
				Address CHARLES KENNDY 239 DAUSMAN PARK CLARKVILLE MI							
				Address Same as Well Location ☒ Yes ☐ No							
				4. WELL DEPTH:		Date Completed		☒ New Well		☒ Replacement Well	
				50 ft.		10 10 / 97					
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: 1 ft							
Diameter: 4 in. to 46 ft. depth				Weight: 12.00 lbs./ft.							
BORE HOLE: 3 in. to 50 ft. depth				☒ Drive Shoe ☐ Shale Packer							
Diameter: 6 in. to 28 ft. depth											
8. SCREEN: ☐ Not Installed ☐ Gravel-Packed											
Type JOHNSON Diameter 3 inch											
Slot/Gauze 10 ss Length: 4 ft											
Set Between 46 ft. and 50 ft.											
FITTINGS: ☒ K-Packer ☐ Bremer Check											
☐ Blank Above Screen ☐ ft. Other PLUG											
9. STATIC WATER LEVEL:											
5 ft. Below Land Surface ☐ Flowing											
10. PUMPING LEVEL: Below Land Surface											
18 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 28 ft.											
☐ Neat Cement ☒ Bentonite ☐ Other											
No. of Bags Additives											
13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:											
Type SEPECTS I Distance 25 ft. Direction S											
Type Distance ft. Direction											
14. PUMP: ☐ Not Installed ☐ Pump Installation Only											
Manufacturer's Name goulds											
Model Number HP Volts											
Length of Drop Pipe 35 ft. Capacity 10 G.P.M.											
TYPE: ☒ Submersible ☐ Jet ☐ Other											
PRESSURE TANK:											
Manufacturer's Name WELL MATE											
Model Number wm 6 Capacity Gallons											
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No											
Casing Diameter in. Depth ft.											
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry											
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips											
No. of Bags Casing Removed? ☐ Yes ☐ No											
16. REMARKS: (Elevation, Source of Data, etc.)											
17. 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.											
CHIPMAN, S WELL DRILLING 1766											
REGISTERED BUSINESS NAME REGISTRATION NO.											
Address 3735 JACKSON RD SARANAC MI											
Signed <i>Jack Chipman</i> Date 11-13-97											
AUTHORIZED REPRESENTATIVE											

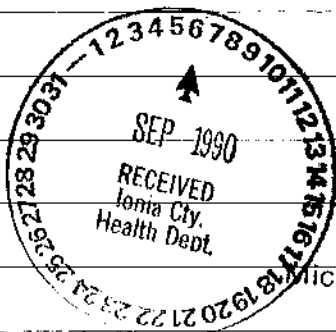
TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 15001	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County IONIA		BOSTON		SW 1/4	36	T 6 N	R 8 W
Distance and Direction from Road Intersection		3. OWNER OF WELL					
OFF JACKSON RD SOUTH OF PORTLAND RD. WEST ON DAUSMAN PARK, MORRISON LAKE.		RICHARD STEVENS Address 291 DAUSMAN PARK ML SARANAC MI Address Same as Well Location ☒ Yes ☐ No					
Street Address & City of Well Location 291 DAUSMAN PARK, MI		4. WELL DEPTH:		Date Completed	☒ New Well		
Locate with 'X' in Section Below		90 ft.		11 24 97	☒ Replacement Well		
Sketch Map		5. ☒ Cable Tool ☐ Rotary ☒ Driven ☐ Dug					
		☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐					
2. FORMATION DESCRIPTION		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: 1 ft			
TOP SOIL		Diameter: 4 in. to 86 ft. depth		Weight 2.00 lbs./ft.			
GRAY CLAY		3 in. to 4 ft. depth					
WATER SAND N/G		BORE HOLE:		☒ Drive Shoe			
GRAY CLAY		Diameter: 6 in. to 25 ft. depth		☐ Shale Packer			
WATER SAND N/G							
GRAY CLAY		8. SCREEN: ☐ Not Installed ☐ Gravel-Packed					
WATER SAND		Type JOHNSON Diameter 3 INCH					
		Slot/Gauze 10 SS Length: 5 FT					
		Set Between 86 ft. and 90 ft.					
		FITTINGS: ☒ K-Packer ☐ Bremer Check					
		☒ Blank Above Screen 1 ft. Other PLUG					
		9. STATIC WATER LEVEL:					
		8 ft. Below Land Surface ☐ Flowing					
		10. PUMPING LEVEL: Below Land Surface					
		50 ft. After 1 hrs. Pumping at 18 G.P.M.					
		☐ Plunger ☒ Bailer ☐ Air ☐ Test Pump					
		11. WELL HEAD COMPLETION:					
		☒ Pitless Adapter ☐ 12" Above Grade					
		☐ Basement Offset ☐ Well House					
		12. WELL GROUTED? ☐ No ☒ Yes		From 0 to 25 ft.			
		☐ Neat Cement ☒ Bentonite ☐ Other					
		No. of Bags _____ Additives _____					
		13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:					
		Type S LINES Distance 25 ft. Direction S					
		Type _____ Distance _____ ft. Direction _____					
		14. PUMP: ☐ Not Installed ☐ Pump Installation Only					
		Manufacturer's Name STA-RITE					
		Model Number 10sp4c02j-2HP172 Volts 230					
		Length of Drop Pipe 60 ft. Capacity 10 G.P.M.					
		TYPE: ☒ Submersible ☐ Jet ☐ Other					
		PRESSURE TANK:					
		Manufacturer's Name WELL MATE					
		Model Number WM 6 Capacity _____ Gallons					
15. ABANDONED WELL PLUGGED? ☒ Yes ☐ No							
Casing Diameter 2 in. Depth 60 ft.							
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry							
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☒ Bentonite Chips							
No. of Bags _____ Casing Removed? ☐ Yes ☒ No							
16. REMARKS: (Elevation, Source of Data, etc.)							
17. DRILLING MACHINE OPERATOR:		15. WATER WELL CONTRACTOR'S CERTIFICATION:					
☐ Employee ☐ Subcontractor		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.					
Name _____		CHIPMAN, S WELL DRILLING 1766					
		REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____					
		Address 3735 JACKSON RD. SARANAC MI					
		Signed <i>Jack Chipman</i> Date 12 2 97					
		AUTHORIZED REPRESENTATIVE					

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO:	
1. LOCATION OF WELL		Township Name		Fraction	Section No.	Town No.	Range No.
County <u>Lenia</u>		<u>Boston</u>		<u>SW 1/4 SE 1/4 NE 1/4</u>	<u>36</u>	<u>6N</u>	<u>8W</u>
Distance and Direction from Road Intersection							
Street Address & City of Well Location <u>453 Lenia Dr</u> <u>Morrison Lake</u>							
Locate with 'x' in Section Below							
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	3. OWNER OF WELL			
<u>Sand & Gravel</u>		<u>25</u>	<u>25</u>	Address <u>Hudson Worthen</u> <u>3145 Lenia Dr</u> <u>Grandville MI 49508</u>			
<u>Clay</u>		<u>91</u>	<u>116</u>	Address Same as Well Location ☐ Yes ☒ No			
<u>Gravel</u>		<u>3</u>	<u>119</u>	4. WELL DEPTH: <u>126</u> ft. Date Completed <u>5-1-98</u>			
<u>Sand & Gravel</u>		<u>7</u>	<u>126</u>	☐ New Well ☒ Replacement Well			
<u>Clay</u>		<u>-</u>	<u>126</u>	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: <u>1</u> ft.			
				Diameter: <u>5</u> in. to <u>115</u> ft. depth			
				Weight: <u>SOR 21</u> lbs./ft.			
				BORE HOLE: ☐ Drive Shoe ☐ Shale Packer			
				Diameter: <u>8</u> in. to <u>115</u> ft. depth			
				in. to <u>126</u> ft. depth			
				8. SCREEN: ☐ Not Installed ☒ Gravel-Packed			
				Type <u>Johnson</u> Diameter <u>4"</u>			
				Slot/Gauze <u>15</u> Length: <u>10'</u>			
				Set Between <u>116</u> ft. and <u>126</u> ft.			
				FITTINGS: ☒ J-K-Packer ☐ Brenner Check			
				☒ Blank Above Screen <u>3</u> ft. Other			
				9. STATIC WATER LEVEL: <u>23</u> ft. Below Land Surface ☐ Flowing			
				10. PUMPING LEVEL: Below Land Surface			
				<u>126</u> ft. After <u>1/2</u> hrs. Pumping at <u>12</u> 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 <u>0</u> to <u>115</u> ft.			
				☐ Neat Cement ☒ Bentonite ☐ Other			
				No. of Bags <u>4 1/2</u> Additives			
				13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:			
				Type <u>Sewer</u> Distance <u>10</u> ft. Direction <u>E</u>			
				Type <u>Sewer</u> Distance <u>10</u> ft. Direction <u>E</u>			
				14. PUMP: ☐ Not Installed ☐ Pump Installation Only			
				Manufacturer's Name <u>Red Jacket</u>			
				Model Number <u>500WT</u> HP <u>1 1/2</u> Volts <u>220</u>			
				Length of Drop Pipe <u>100</u> ft. Capacity <u>8</u> G.P.M.			
				TYPE: ☒ Submersible ☐ Jet ☐ Other			
				PRESSURE TANK:			
				Manufacturer's Name <u>Well-x-tol</u>			
				Model Number <u>WX202</u> Capacity <u>20</u> Gallons			
15. ABANDONED WELL PLUGGED? ☒ Yes ☐ No				15. WATER WELL CONTRACTOR'S CERTIFICATION:			
Casing Diameter <u>2</u> in. Depth <u>?</u> ft.				This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.			
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry				<u>Ed W. Well Drilling Inc</u> <u>1868</u>			
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☒ Bentonite Chips				REGISTERED BUSINESS NAME <u>2065 Glen</u>			
No. of Bags <u>2</u> Casing Removed? ☐ Yes ☐ No				Address <u>2065 Glen</u>			
16. REMARKS: (Elevation, Source of Data, etc.)				Signed <u>Richard</u> Date <u>5-1-98</u>			
17. DRILLING MACHINE OPERATOR:				AUTHORIZED REPRESENTATIVE			
☒ Employee ☐ Subcontractor							
Name <u>Joe West</u>							

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																						
County Ionia	Township Name Boston	Fraction N 1/4 S E 1/4 S E 1/4	Section Number 36																					
Distance And Direction From Road Intersection Well located 1/4 mile W. of Jackson Rd. and 30' N. of Elm Dr.		Town Number 6 XXS																						
Street Address & City of Well Location Locate with "X" in Section Below		Range Number 8 XXW																						
		Mike Heiss Address 255 Elm Dr. Clarksville, Mi 48815 Address Same As Well Location? ☒ Yes ☐ No																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:70%;">2 FORMATION DESCRIPTION</th> <th style="width:15%;">THICKNESS OF STRATUM</th> <th style="width:15%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> <tr> <td>Clay</td> <td>22</td> <td>22</td> </tr> <tr> <td>Clay and Gravel</td> <td>166</td> <td>38</td> </tr> <tr> <td>Sand</td> <td>3</td> <td>41</td> </tr> <tr> <td>Clay</td> <td>37</td> <td>78</td> </tr> <tr> <td>Clay and Gravel</td> <td>21</td> <td>109</td> </tr> <tr> <td>Sand</td> <td>11</td> <td>120</td> </tr> </table>		2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	22	22	Clay and Gravel	166	38	Sand	3	41	Clay	37	78	Clay and Gravel	21	109	Sand	11	120	4 WELL DEPTH: 120 FT. Date Completed 8-23-90 ☒ New Well ☐ Replacement Well 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jotted ☐	
		2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																				
Clay	22	22																						
Clay and Gravel	166	38																						
Sand	3	41																						
Clay	37	78																						
Clay and Gravel	21	109																						
Sand	11	120																						
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐																								
7 CASING: ☒ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface 1 ft. 5 in. to 116 ft. depth SDR-21 Weight _____ lbs./ft. Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☐ Yes ☒ No 7 7/8 in. to 116 ft. depth																								
8 SCREEN: ☐ Not Installed Type Stainless S. Diameter 4" Slot xxx 12 Length 4' Set between 116 ft. and 120 ft. FITTINGS: ☒ K-Pack ☐ Lead Pack ☐ Bremer Check ☒ Blank above screen 1 ft. Other _____																								
9 STATIC WATER LEVEL: 2 ft. below land surface ☐ Flow																								
10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																								
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit																								
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																								
13 NEAREST SOURCE OF POSSIBLE CONTAMINATION Type Sewer Line Distance 30 ft. Direction NW Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No																								
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number S2N52-10 HP 1/2 Volts 230 Length of Drop Pipe 20-1 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Structural Fiber Manufacturer's name _____ Model number WM-9 Capacity _____ Gallons																								
15. Remarks, elevation, source of data, etc. 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. G.L. Seese & Sons Well Drilling 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi. 48815 Signed <i>[Signature]</i> Date 8-28-90 AUTHORIZED REPRESENTATIVE																								
17. Rig Operator's Name: Timothy Seese																								

RECEIVED
Mich. Dept. of Public Health

SEP 21 1990

BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-CWOS

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 0 4 7 4

1 LOCATION OF WELL		County Ionia		Township Name Boston		Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$		Section Number 36		Town Number 6		Range Number 8	
Distance And Direction From Road Intersection Well located $\frac{1}{4}$ mile S. of Portland Rd. at Lot 25 Morrison Lk. Gardens Street Address & City of Well Location													
Locate with "X" in Section Below													
Sketch Map:													
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:					
Clay and Gravel				18		18		Richard Ives Address 25 Morrison Lk. Gardens Sarabac, MI. Address Same As Well Location? ☐ Yes ☐ No					
Sand				14		32		4 WELL DEPTH: 45 FT. Date Completed 7/3/90 ☒ New Well ☐ Replacement Well 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted					
Clay				9		41		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public					
Sand				4		45		7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Height: Above/Surface 1 ft. Weight SDR-21 lbs./ft. 5 in. to 41 ft. depth 7 7/8 in. to 41 ft. depth Grouted Drill Hole Diameter ☐ Yes ☒ No					
								8 SCREEN: ☐ Not Installed					
								Type Stainless Steel Diameter 4" Slot 12 Length 4" Set between 41 ft. and 45 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Brenner Check ☒ Blank above screen ft. Other					
								9 STATIC WATER LEVEL: ☐ Flow					
								10 PUMPING LEVEL: below land surface					
								11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ Basement offset ☒ 2" above grade ☐ Approved pit					
								12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft.					
								☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives					
								13 Nearest source of possible contamination					
								Type SewerL. Distance 12 ft. Direction S Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No					
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only					
								Manufacturer's name Myers Model number S2N52-10 HP 1/2 Volts 230 Length of Drop Pipe 33-1" ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Structural Fiber Model number WM-9 Capacity Gallons					
15. Remarks, elevation, source of data, etc.													
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. G.L. Seese & Sons Well Drllg. 34-1183 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, MI. 48815 Signed Gerald L. Seese Date 7-16-90 AUTHORIZED REPRESENTATIVE													

USE A 2ND SHEET IF NEEDED

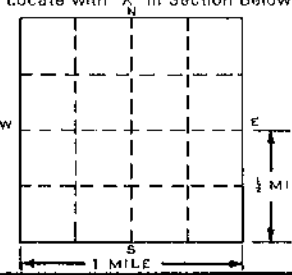
17. Rig Operator's Name:

Timothy Seese

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 1027

1 LOCATION OF WELL		TOWNSHIP NAME		Fraction	Section Number	Town Number	Range Number
County IONIA		BOSTON		$\frac{1}{4}$	$\frac{1}{4}$ 36	6 N/S	8 E/W
Distance And Direction From Road Intersection $\frac{3}{4}$ MI. FROM MORRISON LK RD				3 OWNER OF WELL: ROBERT GRAGE Address 805 PARADISE PK. SARASOTA MI 48881			
Street Address & City of Well Location 805 PARADISE PK				Address Same As Well Location? ☒ Yes ☐ No			
Locate with "X" in Section Below 				4 WELL DEPTH: 72 FT. Date Completed: 6/6/91 ☐ New Well ☒ Replacement Well			
				5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐			
				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
				7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded 5 in. to 68 ft. depth Height: 2 ft. Above/Below Surface 2 ft. 8 in. to 30 ft. depth Weight _____ lbs./ft. Grouted Drill Hole Diameter 8 in. to _____ ft. depth Drive Shoe ☐ Yes ☒ No _____ in. to _____ ft. depth _____			
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM			
CLAY & GRAVEL		44		44			
SAND & CLAY		10		54			
CLAY		12		66			
SAND w/ WATER		6		72			
				8 SCREEN: ☐ Not Installed Type STAINLESS Diameter 3 " Slot/Gauge 20 Length 4 " Set between 68 ft. and 72 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other ON END			
				9 STATIC WATER LEVEL: 16 ft. below land surface ☐ Flow			
				10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.			
				11 WELL HEAD COMPLETION: ☐ Pitless adaptor ☐ 12" above grade ☐ Basement offset ☒ Approved pit			
				12 WELL GROUTED? ☐ No ☒ Yes From 0 to 30 ft. ☐ Neat cement ☐ Bentonite ☒ Other BEN SEAL No. of bags of cement _____ Additives _____			
				13 Nearest source of possible contamination Type SEWER Distance 15 ft. Direction WEST Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No			
				14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name RED JACKET Model number 2-WIRE HP 1/2 Volts 115 Length of Drop Pipe 40 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name WELL-X-TROL Model number 202 Capacity 20 Gallons			
15. Remarks, elevation, source of data, etc. JUL 12 1991				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. O'CONNOR WELL DRILLING 1762 BUREAU OF ENVIRONMENTAL AND COORDINATE HEALTH REGISTERED BUSINESS NAME 4350 NODDINS BELDING REGISTRATION NO. _____ Signed Pat O'Connor Date 6-7-91 AUTHORIZED REPRESENTATIVE			
17. Rig Operator's Name: ROB GREGORY							

WATER WELL AND PUMP RECORD

PERMIT NUMBER

10976

1 LOCATION OF WELL		TOWNSHIP NAME		FRACTION		SECTION NUMBER		TOWN NUMBER		RANGE NUMBER	
IONIA		BOSTON		1/4 1/4 1/4		36		6 N/S		8 E/W	
Distance And Direction From Road Intersection											
1/8 MI E of MORRISON LAKE RD.											
Street Address & City of Well Location 6485 Portland RD											
Locate with "X" in Section Below											
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM					
RED CLAY				25		25					
Gray Clay				82		107					
Water Sand				21		128					
3 OWNER OF WELL:											
DAN FRAZIER											
Address 6845 Portland RD, SARANAC MI											
Address Same As Well Location? ☒ Yes ☐ No											
4 WELL DEPTH: Date Completed MO. DAY YEAR											
121 FT. 5 22 91											
☐ New Well ☒ Replacement Well											
5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug											
☐ Hollow rod ☐ Auger ☐ Jetted ☐											
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public											
☐ Irrigation ☐ Type IIa Public ☐ Heat pump											
☐ Test Well ☐ Type IIb Public ☐											
7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded											
5 in. to 4 7/8 ft. depth											
Grouted Drill Hole Diameter											
Height: Above/Below Surface _____ ft.											
Weight _____ lbs./ft.											
Drive Shoe ☐ Yes ☐ No											
8 SCREEN: ☐ Not Installed											
Type Stainless Diameter 3"											
Slot/Gauze 18 Length 4'											
Set between 117 ft. and 121 ft.											
FITTINGS: ☐ K-Packer ☐ Load Packer ☐ Bremer Check											
☐ Blank above screen _____ ft. Other ONE END											
9 STATIC WATER LEVEL: 25 ft. below land surface ☐ Flow											
10 PUMPING LEVEL: below land surface											
_____ ft. after _____ hrs. pumping at _____ G.P.M.											
_____ ft. after _____ hrs. pumping at _____ G.P.M.											
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade											
☐ Basement offset ☐ Approved pit											
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 30 ft.											
☐ Neat cement ☐ Bentonite ☐ Other _____											
No. of bags of cement _____ Additives _____											
13 Nearest source of possible contamination											
Type Septic Distance 60 ft. Direction N											
Well disinfected upon completion? ☐ Yes ☐ No											
Was old well plugged? ☐ Yes ☐ No											
14 PUMP: ☐ Not Installed ☐ Pump Installation Only											
Manufacturer's name REDSACKET											
Model number 2-WIRE HP 1/2 Volts 115											
Length of Drop Pipe 57 ft. capacity 10 G.P.M.											
TYPE: ☐ Submersible ☐ Jet											
15 WATER TANK: Manufacturer's name WELL-X-TROL (EXISTING)											
Model number 202 Capacity 20 Gallons											
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.											
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH											
REGISTERED BUSINESS NAME WELL DRILLING											
Address 4350 NODDINS RD, BELLEVILLE, MI											
Signed Amy J. Connor Date 5-3-91											
AUTHORIZED REPRESENTATIVE											
Authority: Completion: Penalty:											
Act 368 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.											

USE A 2ND SHEET IF NEEDED

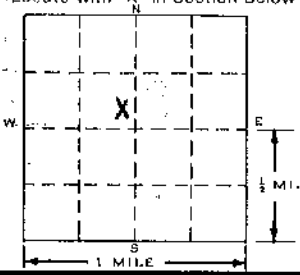
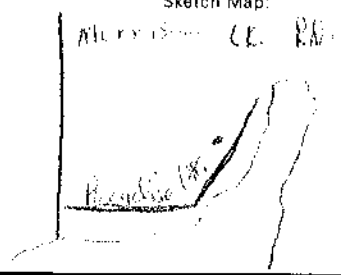
15. Remarks, elevation, source of data, etc.

17. Rig Operator's Name:

Rob Gregory

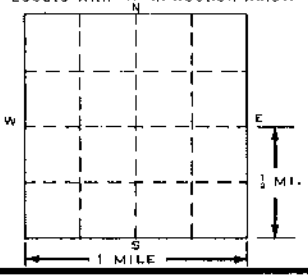
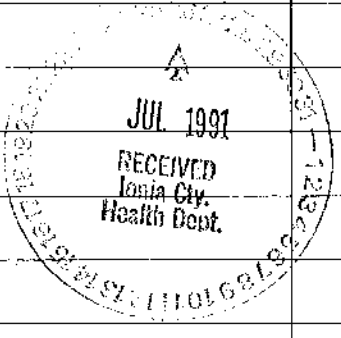
WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL					
County Ionia	Township Name Boston	Fraction NW 1/4 SE 1/4 SW 1/4	Section Number 36	Town Number 6	Range Number 8 E/W
Distance And Direction From Road Intersection 1/4 mi. E OFF MORRISON LK. RD.			3 OWNER OF WELL: Hubert Nelsen Address 768 Paradise Pk. Saranac, MI 48881 Address Same As Well Location? ☒ Yes ☐ No		
Street Address & City of Well Location Locate with "X" in Section Below			4 WELL DEPTH: Date Completed MO. DAY YEAR ☒ New Well 63 FT. 7 02 90 ☐ Replacement Well		
 Sketch Map: 			5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jotted ☐		
			6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐		
2 FORMATION DESCRIPTION			7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐ Height: Above/Below Surface 1 ft. 4 in. to 54 ft. depth Weight 1079 lbs./ft. 54 in. to 63 ft. depth Grouted Drill Hole Diameter 54 in. to 63 ft. depth 54 in. to 63 ft. depth Drive Shoe ☒ Yes ☐ No		
			8 SCREEN: ☐ Not Installed Type Plastic Diameter 3" Slot/Gauze 0.14 Length 10' Set between 54 ft. and 63 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen 54 ft. Other 63 ft.		
15. Remarks, elevation, source of data, etc. #5935			9 STATIC WATER LEVEL: 25' ft. below land surface ☐ Flow		
			10 PUMPING LEVEL: below land surface 50 ft. after 15 hrs. pumping at 15 G.P.M. 50 ft. after 15 hrs. pumping at 15 G.P.M.		
17. Rig Operator's Name: George Weller			11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit		
			12 WELL GROUTED? ☒ No ☐ Yes From 54 to 63 ft. ☐ Neat cement ☐ Bentonite ☐ Other 54 ft. No. of bags of cement 54 Additives 63		
USE A 2ND SHEET IF NEEDED			13 Nearest source of possible contamination Type 54 Distance 63 ft. Direction 15 Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No		
			14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name FRANKLIN-BURK Model number 5043 HP 1/2 Volts 115 Length of Drop Pipe 80 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name U.G. EXTROL Model number 202 Capacity 202 Gallons		
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. Geiger Water Well, Const., Inc. 0700 REGISTERED BUSINESS NAME 5043 REGISTRATION NO. Address Whites Bridge, Belding 48809 Signed Karl Geiger Date 1-23-91 AUTHORIZED REPRESENTATIVE Authority: Completion: Penalty: Act 368 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.					

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County Ionia	Township Name Boston	Fraction NE 1/4 SW 1/4	Section Number 36
		Town Number 6	Range Number 8
Distance And Direction From Road Intersection Well located 1/4 mile N. of Goodemote Rd. & 100' E. of Breeay Pt. at Siadac Rhoades Landing		Address Dan Siadac 2405 Bollman Lansing, MI 48917	
Street Address & City of Well Location Rhoades Landing		Address Same As Well Location? ☐ Yes ☒ No	
Locate with "X" in Section Below 		4 WELL DEPTH: 76 FT. Date Completed 7-3-91 ☐ New Well ☒ Replacement Well	
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
		7 CASING Diameter ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic Height: Above/Below Surface 1 ft. 5 in. to 72 ft. depth Weight _____ lbs./ft. SDR-21 Grouted Drill Hole Diameter ☐ Yes ☒ No 7/8 in. to 72 ft. depth Drive Shoe ☐ Yes ☒ No	
2 FORMATION DESCRIPTION		8 SCREEN: ☐ Not Installed	
	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Type Stainless S. Diameter 4"
Clay	16	16	Slot/Gravel 10 Length 4"
Clay and Gravel	5	21	Set between 72 ft. and 76 ft.
Clay	46	67	FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check
Sand	9	76	☒ Blank above screen 1 ft. Other _____
		9 STATIC WATER LEVEL: _____ ft. below land surface ☒ Flow	
		10 PUMPING LEVEL: below land surface plunger	
		_____ ft. after 1 hrs. pumping at 40 G.P.M.	
		_____ ft. after _____ hrs. pumping at _____ G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____	
		No. of bags of cement _____ Additives _____	
		13 Nearest source of possible contamination	
		Type Sewer L. Distance 15 ft. Direction S.	
		Well disinfected upon completion? ☒ Yes ☐ No	
		Was old well plugged? ☒ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only	
		Manufacturer's name Myers	
		Model number S2N52-10 HP 1/2 Volts 230	
		Length of Drop Pipe 20'-1" ft. capacity 10 G.P.M.	
		TYPE: ☒ Submersible ☐ Jet	
		PRESSURE TANK: Manufacturer's name Structural Fiber	
		Model number WM-9UG Capacity _____ Gallons	
15. Remarks, elevation, source of data, etc.		CONTRACTOR'S CERTIFICATION:	
		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.	
		G.I. Seese & Sons Well Drlg. 34-1183	
		Registered Business Name: Clarksville, MI. 48815 Signature: <i>Gerald Seese</i> Date: 7-6-91 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: Timothy Seese			

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:													
County IONIA	Township Name BOSTON	Fraction SW/4 NW/4 SW/4	Section Number 36												
Distance And Direction From Road Intersection OFF PORTLAND RD. INTO GOLF CORSE NEXT TO LAKE		Town Number T 6 N/S													
Street Address & City of Well Location LOT 55 (517-339-9980)		Range Number R 8 E/W													
Locate with "X" in Section Below 		Address VINCENT BIANSETTI 55 Morrison Lake Dr. SARANAC Address Same As Well Location? ☒ Yes ☐ No													
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>TOP SOIL</td> <td>3</td> <td>3</td> </tr> <tr> <td>GRAY CLAY</td> <td>28</td> <td>31</td> </tr> <tr> <td>WATER SAND</td> <td>19</td> <td>50</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	TOP SOIL	3	3	GRAY CLAY	28	31	WATER SAND	19	50	4 WELL DEPTH: Date Completed 7/21/91 50 FT. ☒ New Well ☐ Replacement Well	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM											
TOP SOIL	3	3													
GRAY CLAY	28	31													
WATER SAND	19	50													
5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐															
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐		7 CASING: Diameter ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐ Height: Above/Below Surface 1 ft. 4 in. to 46 ft. depth Weight 10.79 lbs./ft. 3 in. to 4 ft. depth Grouted Drill Hole Diameter 5 in. to 18 ft. depth Drive Shoe ☒ Yes ☐ No 5 in. to 18 ft. depth													
		8 SCREEN: ☐ Not Installed Type Houston Diameter 3 inch Slot/Gauze 10 ss Length 4 ft. Set between 46 ft. and 50 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bromer Check ☒ Blank above screen 1 ft Other PLUG													
9 STATIC WATER LEVEL: 6 ft. below land surface ☐ Flow		10 PUMPING LEVEL: below land surface 30 ft. after 1 hrs. pumping at 25 G.P.M. ft. after hrs. pumping at G.P.M.													
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit													
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 16 ft. ☐ Neat cement ☐ Bentonite ☐ Other		13 Nearest source of possible contamination Type PIT Distance 11 ft Direction W Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No													
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name FAIR Model number 2443050117 1/2 Volts 230 Length of Drop Pipe 30 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name well mate Model number W-6 Capacity Gallons													
15. Remarks, elevation, source of data, etc. 		16. WATERWELL CONTRACTOR'S CERTIFICATION: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. CHIPMAN, S WELL DRILLING 1766 REGISTERED BUSINESS NAME REGISTRATION NO. 6135 Riverside DR. SARANAC MI Signed Jack Chipman Date 7/24/91 AUTHORIZED REPRESENTATIVE													
17. Rig Operator's Name: SAMIE		18. BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-SWDS													

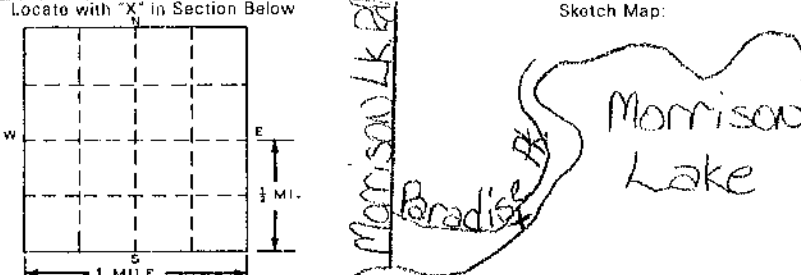
WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																																		
County <u>Ontario</u>	Township Name <u>Boston</u>	Fraction <u>1/4</u> <u>1/4</u> <u>1/4</u>	Section Number <u>36</u>																																	
Distance And Direction From Road Intersection <u>Platted Sub</u> <u>686 Wildwood Ct.</u>		Town Number <u>6 N/S</u>																																		
Street Address & City of Well Location Locate with "X" in Section Below		Range Number <u>8</u> <u>5/W</u>																																		
Sketch Map: 		Address <u>Cliff Kibble</u> <u>686 Morrison Lake Rd.</u> <u>Saranac</u> Address Same As Well Location? ☒ Yes ☐ No																																		
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td><u>Clay</u></td> <td><u>10</u></td> <td><u>10</u></td> </tr> <tr> <td><u>Sand</u></td> <td><u>41</u></td> <td><u>51</u></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>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	<u>Clay</u>	<u>10</u>	<u>10</u>	<u>Sand</u>	<u>41</u>	<u>51</u>																									4 WELL DEPTH: Date Completed <u>MO. 06 DAY 26 YEAR 91</u> ☒ New Well ☐ Replacement Well 5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐ 6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐ 7 CASING: ☒ Steel ☐ Threaded ☐ Welded ☐ Plastic ☐ <u>4</u> in. to <u>47</u> ft. depth <u>3</u> in. to <u>51</u> ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth _____ in. to _____ ft. depth Height: Above <u>Surface</u> Surface <u>1</u> ft. Weight <u>1100</u> lbs./ft. Drive Shoe ☒ Yes ☐ No	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																																
		<u>Clay</u>	<u>10</u>	<u>10</u>																																
		<u>Sand</u>	<u>41</u>	<u>51</u>																																
8 SCREEN: ☐ Not Installed Type <u>Stainless</u> Diameter <u>3"</u> Slot/Gauge <u>10</u> Length <u>4'</u> Set between <u>47</u> ft. and <u>51</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Rammer Check ☒ Blank above screen <u>1</u> ft. Other _____																																				
9 STATIC WATER LEVEL: <u>25</u> ft. below land surface ☐ Flow																																				
10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																																				
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit																																				
12 WELL GROUTED? ☐ No ☐ Yes From _____ to _____ ft. ☐ Neat cement ☐ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																																				
13 Nearest source of possible contamination Type <u>None</u> Distance _____ ft. Direction _____ Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No																																				
14 PUMP: ☐ Not installed ☐ Pump Installation Only Manufacturer's name <u>Fairbanks</u> Model number _____ HP <u>1/2</u> Volts <u>220</u> Length of Drop Pipe <u>35</u> ft. capacity <u>15</u> G.P.M. TYPE: ☒ Submersible ☐ Jet _____ PRESSURE TANK: Manufacturer's name <u>Not installed</u> Model number _____ Capacity _____ Gallons																																				
15. Remarks, elevation, source of data, etc. RECEIVED Mich. Dept. of Public Health AUG 18 1991		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. <u>A.B. Heaton & Son</u> <u>0346</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>3541 East Belding Rd., Belding 48809</u> Signed <u>[Signature]</u> Date <u>June 26, 1991</u> AUTHORIZED REPRESENTATIVE																																		
17. Rig Operator's Name: _____ BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH-GWQS		USE A 2ND SHEET IF NEEDED																																		

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County <u>IONIA</u>	Township Name <u>Boston</u>	Section Number <u>36</u>	Town Number <u>6</u> Range Number <u>8</u> E.W.
Distance And Direction From Road Intersection		Address <u>Dick Lowerance</u> <u>755 Paradise Park</u> <u>Sarasota, MI 48881</u>	
Street Address & City of Well Location		Address Same As Well Location? ☒ Yes ☐ No	
Locate with "X" in Section Below 		4 WELL DEPTH: <u>59</u> FT. Date Completed <u>6/20/89</u> ☒ New Well ☐ Replacement Well 5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
2 FORMATION DESCRIPTION <u>Clay</u> <u>Gravel</u> THICKNESS OF STRATUM: <u>18</u> DEPTH TO BOTTOM OF STRATUM: <u>18</u> <u>41</u> <u>59</u>		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
		7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic Height: <u>Above</u> Below Surface <u> </u> ft. Weight <u> </u> lbs./ft. Grouted Drill Hole Diameter <u> </u> in. to <u> </u> ft. depth Drive Shoe ☒ Yes ☐ No	
		8 SCREEN: ☐ Not Installed Type <u>Plastic</u> Diameter <u>3"</u> Slot/Gauze <u>016</u> Length <u>8'6"</u> Set between <u>51</u> ft. and <u>59</u> ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen <u> </u> ft. Other <u> </u>	
		9 STATIC WATER LEVEL: <u>18</u> ft. below land surface ☐ Flow	
10 PUMPING LEVEL: below land surface <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M. <u> </u> ft. after <u> </u> hrs. pumping at <u> </u> G.P.M.		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit	
12 WELL GROUTED? ☒ No ☐ Yes From <u> </u> to <u> </u> ft. ☐ Neat cement ☐ Bentonite ☐ Other <u> </u> No. of bags of cement <u> </u> Additives <u> </u>		13 Nearest source of possible contamination Type <u> </u> Distance <u> </u> ft. Direction <u> </u> Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☒ No	
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <u>Red Jacket</u> Model number <u>45</u> HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>45</u> ft. capacity <u> </u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: <u>Extrol</u> Manufacturer's name <u>Extrol</u> Model number <u>202</u> Capacity <u> </u> Gallons		15. Remarks, elevation, source of data, etc. USE A 2ND SHEET IF NEEDED RECEIVED Mich. Dept. of Public Health BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH 17. Rig Operator's Name: <u> </u>	
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. <u>Hager Water Well Construction, Inc. 11200</u> REGISTERED BUSINESS NAME <u>5043 W. Main, Bridgeport, MI</u> REGISTRATION NO. <u> </u> Signed <u>Barbara M. Hager</u> Date <u>7-21-89</u> AUTHORIZED REPRESENTATIVE		Authority: <u> </u> Completion: <u> </u> Penalty: <u> </u> Act 368 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.	

WATER WELL AND PUMP RECORD

PERMIT NUMBER

12499

1 LOCATION OF WELL		TOWNSHIP NAME		Fraction	Section Number	Town Number	Range Number
County	Ionia	Township Name	Boston	SE 1/4	SW 1/4 NE 1/4	36	6 N/S 8 EAV
Distance And Direction From Road Intersection				3 OWNER OF WELL: Joe Droste			
Well located 3/8 mile W. of Jackson Rd. & 30' W. of Sunset Beach Dr.				145 Sunset Beach			
Street Address & City of Well Location				Saranac			
Locate with "X" in Section Below				Sketch Map.			
				4 WELL DEPTH: 60 FT. Date Completed 02-08-94 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐			
2 FORMATION DESCRIPTION				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
THICKNESS OF STRATUM				7 CASING: ☐ Steel ☐ Throated ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface 1 ft. 5 in. to 56 ft. depth Weight SDR-21 8 in. to 56 ft. depth Grouted Drill Hole Diameter 8 in. to 56 ft. depth Drive Shoe ☐ Yes ☒ No			
Sandy Clay 4 4				8 SCREEN: ☐ Not Installed Type S.Steel Diameter 4" Slot/Gauze 7 slot Length 4' Set between 56 ft. and 60 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other			
Clay 8 12				9 STATIC WATER LEVEL: 7 ft. below land surface ☐ Flow			
Marl 9 21				10 PUMPING LEVEL: below land surface plunger 7 ft. after 1 hrs. pumping at 30 G.P.M.			
Clay 33 54				11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit			
Sand 6 60				12 WELL GROUTED? ☐ No ☒ Yes From 0 to 40 ft. ☐ Neat cement ☒ Bentonite ☐ Other			
15. Remarks, elevation, source of data, etc.				13 Nearest source of possible contamination Type S.Line Distance 20' ft. Direction S Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No			
17. Rig Operator's Name: Timothy Seese				14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number 2N52-12 HP 1/2 Volts 230 Length of Drop Pipe 40' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: S.Fiber Manufacturer's name Model number WM-9 Capacity Gallons			
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. G.L. Seese and Sons Well Drlg. 1934-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Md. Signed Timothy Seese Date 2-10-94 AUTHORIZED REPRESENTATIVE				Authority: Completion: Penalty: Act 368 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.			

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 2486

1 LOCATION OF WELL		3 OWNER OF WELL													
County Ionia	Township Name Boston	Fraction NW 1/4 NW 1/4 SW 1/4	Section Number 36 Town Number 6 Range Number N/3 8 5/W												
Distance And Direction From Road Intersection Located at 757 Paradise Pk. Morrison Lk.		Robert Rogers 757 Paradise Pk. Address Saranac, Mi. 48881 Address Same As Well Location? ☒ Yes ☐ No													
Street Address & City of Well Location 757 Paradise Pk. Saranac		4 WELL DEPTH: Date Completed 01-07-94 ☐ New Well 63 FT. ☒ Replacement Well													
Locate with "X" in Section Below		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted													
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public													
2 FORMATION DESCRIPTION <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">THICKNESS OF STRATUM</th> <th style="text-align: center;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Clay And Gravel</td> <td style="text-align: center;">14</td> <td style="text-align: center;">14</td> </tr> <tr> <td>Clay</td> <td style="text-align: center;">38</td> <td style="text-align: center;">52</td> </tr> <tr> <td>Sand</td> <td style="text-align: center;">11</td> <td style="text-align: center;">63</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay And Gravel	14	14	Clay	38	52	Sand	11	63	7 CASING: ☐ Steel ☐ Threaded ☐ Plastic ☐ Welded Height: Above/Below Surface 1 ft. Weight SDR-24 lb./ft. Drive Shoe ☐ Yes ☒ No	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM											
		Clay And Gravel	14	14											
		Clay	38	52											
Sand	11	63													
8 SCREEN: ☐ Not Installed Type S.Steel Diameter 4" Slot/Gauze 12 Length 4' Set between 59 ft. and 63 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bromer Chock ☒ Blank above screen 1 ft. Other															
9 STATIC WATER LEVEL: 10 ft. below land surface ☐ Flow															
10 PUMPING LEVEL: below land surface plunger 10 ft. after 1 hrs. pumping at 60 G.P.M.															
11 WELL HEAD COMPLETION ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit															
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 36 ft. ☐ Neat cement ☒ Bentonite ☐ Other No. of bags of cement Additives															
13 Nearest source of possible contamination Type Sewer Distance 20' ft. Direction W Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No															
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number 2N52-12 HP 1/2 Volts 230 Length of Drop Pipe 40' ft. capacity 12 G.P.M. TYPE: ☐ Submersible ☐ Jet PRESSURE TANK S.Fiber Manufacturer's name Model number WM-9 Capacity Gallons															
15. Remarks, elevation, source of data, etc.		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. G.L. Seese and Sons Well Drlg 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi 48815 Signed Timothy Seese Date 1-17-94 AUTHORIZED REPRESENTATIVE													
17. Rig Operator's Name: Timothy Seese		Authority: Completion: Penalty: Act 368 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.													

USE A 2ND SHEET IF NEEDED

**DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION**

WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
Failure to comply is a misdemeanor

TAX NO:

PERMIT NO:

1. LOCATION OF WELL

County

Township Name

Fraction

Section No.

Town No.

Range No.

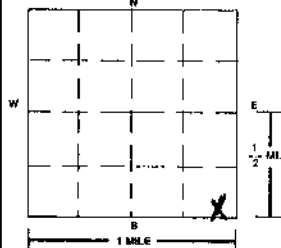
Distance and Direction from Road Intersection

Well located 1/2 mile W. of Jackson Rd.
& 175' N. of Goodemoot Rd.

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



Goodemoot

Jackson

3. OWNER OF WELL

Address

Daryl Bergman
6692 Goodemoot
Clarksville, MI.
48815

Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

Date Completed

☐ New Well

☐ Replacement Well

☐ 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: 1 ft

Diameter: 3 in. to 3 ft. depth

Weight: 50 lbs./ft.

3 in. to 3 ft. depth

BORE HOLE:

Diameter: 3 in. to 3 ft. depth

☐ Drive Shoe

☐ Shale Packer

8. SCREEN:

☐ Not Installed

☒ Gravel-Packed

Type STAINLESS

Diameter 4"

Slot/Gauze 15

Length: 4"

Set Between 35 ft. and 89 ft.

FITTINGS:

☒ K-Packer

☐ Bremer Check

☐ Blank Above Screen

1 ft. Other

9. STATIC WATER LEVEL:

10 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

10 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 72 to 72 ft.

☐ Neat Cement

☐ Bentonite

☐ Other

No. of Bags X Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type Septic Distance 75 ft. Direction SE

Type Septic Distance 75 ft. Direction SE

14. PUMP:

☐ Not Installed

☐ Pump Installation Only

Manufacturer's Name

Model Number Red Jacket

Volts

Length of Drop Pipe 120 Capacity 1/2 G.P.M.

TYPE: ☐ Submersible ☐ Jet ☐ Other 10

PRESSURE TANK:

Manufacturer's Name Structural Fibers

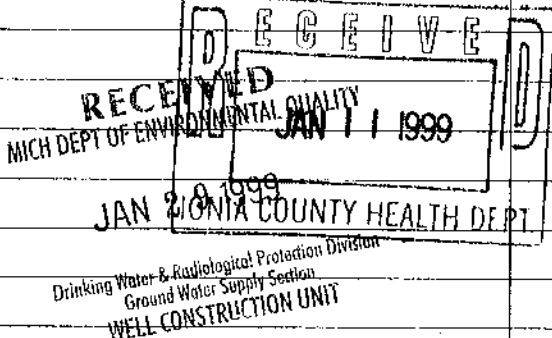
Model Number WM-9 Capacity 1 Gallons

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM

DEPTH TO BOTTOM OF STRATUM

Clay	72	72
Sandy Clay	12	84
Sand	5	89



USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter in.

Depth ft.

PLUGGING MATERIAL:

☐ Cement/Bentonite Slurry

☐ Neat Cement

☐ Bentonite Slurry

☐ Concrete Grout

☐ Bentonite Chips

No. of Bags

Casing Removed? ☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name

Ronald Seese

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.

James Well Drilling Co.
REGISTERED BUSINESS NAME

34-1905
REGISTRATION NO.

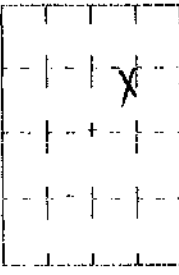
Address

Clarksville, MI 48815

Signed

Timothy Seese
AUTHORIZED REPRESENTATIVE

Date 12-17-98

County IONIA	Township Name BOSTON	Fraction NE 1/4 SW 1/4 NE 1/4	Section No 36	Town No 6 N	Range Number 8 W
Distance And Direction From Road Intersection WEST THE SOUTH ON SUNSET BEACH OFF OF JACKSON			Owner of Well MICKEY ELLS Address 197 SUNSET BEACH LAKE ODESSA MI 48849 Address Same as Well Location? YES		
Well Addr: 197 SUNSET BEACH LAKE ODESSA MI 48849			Depth 44 ft. Date Compl 07/19/94 This is a: REPLACEMENT		
Locate with 'X' in Sec. Below  S			Equipment Used: CABLE TOOL Well Use: DOMESTIC		
Formation Description			Thickness	Depth	
SANDY LOAM			10	10	
GRAY SAND			34	44	
Screen Type: PLASTIC			Diam: 3	[] Not Installed	
SLOT .010			Length: 10		
Set Between 34 ft. and 44 ft.					
Fittings: K-PACKER			[X] Blank above screen: 1 ft.		
Static Level: 2 ft.			Flow: NO		
Pumping Level below land surface:					
9 ft. after 1 hrs.			@ 12	GPM	
ft. after hrs.			@ 0	GPM	
Well Head Completion: PITLESS ADAPTER					
Grouted from 0 to ft. Material: BENTONITE					
Cement: bags Additives:					
Nearest source of possible contamination:					
Type: SEWERLINE Distance: ft.					
Direction: NE					
Well disinfected on completion? YES			Old well plugged? YES		
Pump: [] Not Installed [] Installation Only					
Manufacturer's Name: RED JACKET					
Model: 3 WIRE HP: 0.5			Voltage: 240		
Drop pipe: 25 ft. Capacity: 10			GPM		
Pump type: SUBMERSIBLE					
Pressure Tank Manufacturer's Name: WELL EXTROL					
Model: 250(2) Capacity: 44			Gal.		
Remarks, elevation, source of data, etc. INV 9498					
Rig Operator's Name WEST MICH WATER WELL CONST					

Authority: Act 368 PA 1978

Completion: Required

Penalty: Conviction of a violation of any provision
is a misdemeanor.

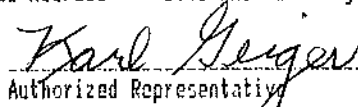
WATER WELL CONTRACTOR'S CERTIFICATION:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.

Registered Bus. Name KARL GEIGER WATER WELL CONST. 0700

Business Address 5043 Whites Bridge R Belding MI 48809

Signed


Authorized Representative

07/19/94

Date

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.
Registered Bus. Name KARL GEIGER WATER WELL CONST. 0700
Business Address 5043 Whites Bridge R Belding MI 48809
Signed Karl Geiger 08/01/94
Authorized Representative Date

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Registered Bus. Name KARL GEIGER WATER WELL CONST. 0700
Business Address 5043 Whites Bridge R Delding MI 48809

Mich. Dept. of Public Health Auth. No. 89-12-001

D67d 2/89

83

GEOLOGICAL SURVEY NO

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

12477

PERMIT NUMBER

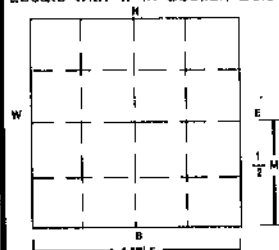
1 LOCATION OF WELL		FRACTION		SECTION NUMBER		TOWN NUMBER		RANGE NUMBER	
County Ionia	Township Name Boston	NW 1/4 NW 1/4 NE 1/4		36		6		N/SX 8 E/W	
Distance And Direction From Road Intersection Well located 1/4 mile S. of Portland Rd. on Lakeview Dr. in Morrison Lk. Gardens #94 Lakeview Dr.		3 OWNER OF WELL: Joe Brown 685 Wildwood Address Saranac, Mi. 48881 Address Same As Well Location? ☐ Yes ☒ No							
Street Address & City of Well Location Saranac		4 WELL DEPTH: 70 FT.		Date Completed 03-28-94		☐ New Wall ☒ Replacement Well			
Locate with "X" in Section Below		Sketch Map: 		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jotted		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public			
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Height: Above/Below Surface 1 ft. Weight SDR-21 lbs/ft. Drive Shoe ☐ Yes ☒ No			
Clay		46		46		8 SCREEN: ☐ Not Installed Type S.Steel Diameter 4" Slot/Gauze 12 slot Length 4' Set between 66 ft. and 70 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other			
Clay & Gravel		5		51		9 STATIC WATER LEVEL: 13 ft. below land surface ☐ Flow			
Clay		12		63		10 PUMPING LEVEL: below land surface plunger 13 ft. after 1 hrs. pumping at 60 G.P.M.			
Sand		7		70		11 WELL HEAD COMPLETION: ☒ XP loss adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit			
						12 WELL GROUTED? ☐ No ☒ Yes From 0 to 60 ft. ☐ Neat cement ☒ Bentonite ☐ Other			
						13 Nearest source of possible contamination Type S.Line Distance 30' ft. Direction SW Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No			
						14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number 2N52-12 HP 1/2 Volts 230 Length of Drop Pipe 40' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK S.Fiber Manufacturer's name Model number WM-9 Capacity _____ Gallons			
15. Remarks, elevation, source of data, etc.		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. G.L. Seese and Sons Well Drlg 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address Clarksville, Mi 48815 Signed Timothy Seese Date 3-30-94 AUTHORIZED REPRESENTATIVE Authority: Completion: Act 368 PA 1978 Penalty: Required Conviction of a violation of any provision is a misdemeanor.							
17. Rig Operator's Name: Timothy Seese									

D67d 2/89

PERMIT NUMBER: 12583

AUTHORITY: Act 368 PA 1978 COMPLETION: Required PENALTY: Conviction of a violation of any provision is a misdemeanor

GEOLOGICAL SURVEY COPY

TAX NO:		MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD				PERMIT NO: 12451					
1. LOCATION OF WELL		Township Name		Fraction		Section No.		Town No.		Range No.	
County Ionia		Boston		1/4 1/4 1/4		36		6N		8W	
Distance and Direction from Road Intersection 500' East Morrison Lk. Rd. 600' North Paradise Park											
Street Address & City of Well Location 8787 Morrison Lk. Rd.											
Locate with 'x' in Section Below 											
2. FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM					
Clay				50		50					
Hard pan				30		80					
Water Sand				15		99					
3. OWNER OF WELL Address Ron Possehn 320 Johnson Rd. Saranac, mi 48809 Address Same as Well Location ☐ Yes ☒ No											
4. WELL DEPTH:				Date Completed		☒ New Well		☐ Replacement Well			
99 ft.				06 / 14 / 94							
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				Height: Above/Below Surface: 1 ft							
☐ Plastic ☒ Welded											
☐ Other											
Diameter: 4 in. to 95 ft. depth				Weight: 1100 lbs./ft.							
3 in. to 99 ft. depth											
BORE HOLE: Diameter: _____ in. to _____ ft. depth				☒ Drive Shoe				☐ Shale Packer			
_____ in. to _____ ft. depth											
8. SCREEN: ☐ Not Installed ☐ Gravel-Packed				Type Stainless Diameter 3"							
Sole Gauge 101 Length: 4'											
Set Between 95 ft. and 99 ft.											
FITTINGS: ☒ K-Packer ☐ Bremer Check											
☒ Blank Above Screen 1 ft. Other _____											
9. STATIC WATER LEVEL: 45 ft. Below Land Surface ☐ Flowing											
10. PUMPING LEVEL: Below Land Surface _____ ft. After _____ hrs. Pumping at _____ G.P.M.				☐ Plunger ☐ Bailer ☐ 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 Septic Distance 45 ft. Direction W				Type _____ Distance _____ ft. Direction _____							
14. PUMP: ☐ Not Installed ☐ Pump Installation Only				Manufacturer's Name McDonald							
Model Number _____ HP 1/2 Volts 220											
Length of Drop Pipe 80 ft. Capacity 15 G.P.M.				TYPE: ☒ Submersible ☐ Jet ☐ Other _____							
PRESSURE TANK: Manufacturer's Name Well-Mate				Model Number WM-9 Capacity 04 Gallons							
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.											
17. DRILLING MACHINE OPERATOR: ☐ Employee ☐ Subcontractor				Name Alan/Mike							
18. REMARKS: (Elevation, Source of Data, etc.)											
19. ABANDONED WELL PLUGGED? ☐ Yes ☐ No				Casing Diameter _____ in. Depth _____ ft.							
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry				☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips							
No. of Bags _____ Casing Removed? ☐ Yes ☐ No											

RECEIVED
JUL 19 1994
MICH. DEPT. OF PUBLIC HEALTH
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH

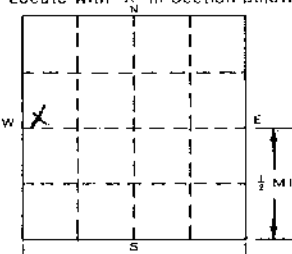
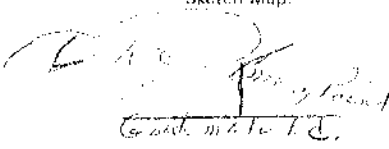
REGISTERED ENGINEER
A.B. Belding & Sons
Address **3541 East Belding Rd.**
REGISTRATION NO. **0346**
Belding

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

12091

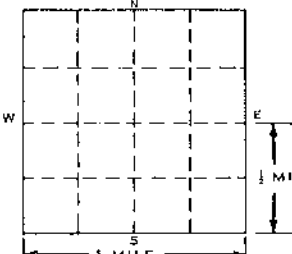
 PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL	
County Ionia	Township Name Boston	Fraction SW 1/4 SW 1/4 NW 1/4	Section Number 36
		Town Number 6	Range Number 8 N/S 8 E/W
Distance And Direction From Road Intersection Well located on Breezy Point 1/8 mile N. of Goodemote Rd.		Address 417 Breezy Point Clarksville, Mi. 48815	
Street Address & City of Well Location 417 Breezy Point Clarksville		Address Same As Well Location? ☒ Yes ☐ No	
Locate with "X" in Section Below 		Date Completed 05-28-93	
Sketch Map: 		4 WELL DEPTH: 31 FT.	
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
		7 CASING Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Height: Above/Below Surface 1 ft. SDR-21 Weight 165 lbs/ft Drive Shoe ☐ Yes ☒ No	
2 FORMATION DESCRIPTION		8 SCREEN:	
	THICKNESS OF STRATUM	Type S.S. Diameter 4" Slot/Gauze 10 slot Length 4' Set between 26 ft. and 31 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other _____	
Clay	3	9 STATIC WATER LEVEL:	
Sand	5	_____ ft. below land surface ☐ Flow	
Clay	10	10 PUMPING LEVEL: below land surface plunger	
Sand	13	_____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 2" above grade ☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____	
		13 Nearest source of possible contamination Type S.Line Distance 18' ft. Direction N. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Red Jacket Model number 50RTW1-MN9B1/2 Volts 230 Length of Drop Pipe 23' ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: S.Fiber Manufacturer's name _____ Model number WM-9UG Capacity _____ Gallons	
USE A 2ND SHEET IF NEEDED			
15. Remarks, elevation, source of data, etc.		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. G.L. Seese and Sons Well Drlg 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9751 Clarksville, Mi 48815 Signed Timothy Seese Date 6-9-93 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: Timothy Seese			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 2068

1 LOCATION OF WELL		3 OWNER OF WELL:										
County Ionia	Township Name Boston	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$	Section Number 36									
Distance And Direction From Road Intersection Well located 1/8 mile E. of Morrison Lk. Rd., and 20' N. of Wildwood Dr. at 732		Town Number 6										
Street Address & City of Well Location 732 Wildwood Dr. Saranac		Range Number N/SX 8 EW										
Locate with "X" in Section Below		Address Same As Well Location? ☒ Yes ☐ No										
Sketch Map: 		4 WELL DEPTH: 46 FT. Date Completed 05-14-93 ☐ New Well ☒ Replacement Well 5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jotted ☐										
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Clay</td> <td>33</td> <td>33</td> </tr> <tr> <td>Sand</td> <td>13</td> <td>46</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	33	33	Sand	13	46	6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM								
		Clay	33	33								
Sand	13	46										
7 CASING: ☐ Steel ☐ Threaded ☐ Height: Above/Below Surface 1 ft. ☒ Plastic ☐ Welded SDR-21 ft. 5 in. to 42 ft. depth 8 in. to 42 ft. depth Grouted Drill Hole Diameter ☐ Drive Shoe ☐ Yes ☒ No												
15. Remarks, elevation, source of data, etc. 17. Rig Operator's Name: Timothy Seese		8 SCREEN: ☐ Not Installed Type S.S. Diameter 4" Slot/Gauze 10slot Length 4' Set between 42 ft and 46 ft. FITTINGS ☒ K-Packer ☐ Lead Packer ☐ Bromor Check ☒ Blank above screen 1 ft. Other										
		9 STATIC WATER LEVEL: 14 ft. below land surface ☐ Flow										
		10 PUMPING LEVEL: below land surface plunger 14 ft. after 1 hrs. pumping at 50 G.P.M.										
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. G.L. Seese and Sons Well Drlg 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9751 Clarksville, Mi 48815 Signed Timothy Seese Date 6-9-93 AUTHORIZED REPRESENTATIVE		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 2" above grade ☐ Basement offset ☐ Approved pit										
		12 WELL GROUTED? ☐ No ☒ Yes From 0 to 35 ft. ☐ Neat cement ☒ Bentonite ☐ Other										
		13 Nearest source of possible contamination Type S-Line Distance 15 ft. Direction E. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No										
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Myers Model number 2N52-10 HP 1/2 Volts 230 Length of Drop Pipe 30' ft. capacity 12 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Existing Sears Manufacturer's name Model number Capacity Gallons		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. G.L. Seese and Sons Well Drlg 34-1905 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9751 Clarksville, Mi 48815 Signed Timothy Seese Date 6-9-93 AUTHORIZED REPRESENTATIVE										

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 2 4 8 2

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
Ionia		Buston		1/4		1/4		36		6 N/S		8 E/W	
Distance And Direction From Road Intersection													
Platted Sub													
Corner Goodmote and Lenhard Landing													
Street Address & City of Well Location 461 Lenhard Landing													
Locate with "X" in Section Below Sketch Map:													
2 FORMATION DESCRIPTION													
												THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand												20	20
Clay												60	80
Hard Pan												80	160
Gray Clay												10	170
Red Clay												20	190
Lime Stone												5	195
Sand Stone and Shale												20	215
Gray Shale												40	255
Sand Stone												19	274
USE A 2ND SHEET IF NEEDED													
15. Remarks, elevation, source of data, etc.													
17. Rig Operator's Name: Alan													
3 OWNER OF WELL: Richard Horder													
Address 198 Oakdale Atlanta, Ga 30307													
Address Same As Well Location? ☐ Yes ☒ No													
4 WELL DEPTH: Data Completed MO. DAY YEAR ☒ New Well													
274 FT. 12 23 93 ☐ Replacement Wall													
5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug													
☐ Hollow rod ☐ Auger ☐ Jetted ☐													
6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public													
☐ Irrigation ☐ Type IIa Public ☐ Heat pump													
☐ Test Well ☐ Type IIb Public ☐													
7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded													
Height: Above/Below Surface 1 ft.													
Weight lbs./ft.													
Drive Shoe ☐ Yes ☐ No													
8 SCREEN: ☒ Not Installed													
Type Diameter													
Slot/Gauze Length													
Set between ft. and ft.													
FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check													
☐ Blank above screen ft. Other													
9 STATIC WATER LEVEL: 8 ft. below land surface ☐ Flow													
10 PUMPING LEVEL: below land surface													
ft. after hrs. pumping at G.P.M.													
ft. after hrs. pumping at G.P.M.													
11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade													
☐ Basement offset ☐ Approved pit													
12 WELL GROUTED? ☐ No ☒ Yes From 5 to 196 ft.													
☐ Neat cement ☒ Bentonite ☐ Other													
No. of bags of cement Additives													
13 Nearest source of possible contamination													
Type Central septic Distance ft. Direction													
Well disinfected upon completion? ☒ Yes ☐ No													
Was old well plugged? ☐ Yes ☐ No													
14 PUMP: ☐ Not installed ☐ Pump Installation Only													
Manufacturer's name MacDonald													
Model number HP 1/2 Volts 220													
Length of Drop Pipe 40 ft. capacity 15 G.P.M.													
TYPE: ☒ Submersible ☐ Jet													
PRESSURE TANK: Manufacturer's name Well Mate													
Model number WM-6 Capacity 40 Gallons													
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.													
A.B. Heaton & Sons 0346													
REGISTERED BUSINESS NAME REGISTRATION NO.													
Address 3541 East Belding R.d Belding 48899													
Signed December 27, 1993													
AUTHORIZED REPRESENTATIVE													

WATER WELL AND PUMP RECORD

PERMIT NUMBER

12307

1 LOCATION OF WELL		3 OWNER OF WELL:	
County <u>Ionia</u>	Township Name <u>Boston</u>	Fraction <u>SW 1/4 Sec 36</u>	Section Number <u>36</u>
Distance And Direction From Road Intersection <u>2 BLKS West of Jackson Rd.</u> <u>1/8 mile South of Portland Rd</u> <u>241 Daumen Park Clarksville Michigan</u>		Town Number <u>6 N</u>	
Street Address & City of Well Location		Range Number <u>8 E</u>	
Locate with "X" in Section Below		3 OWNER OF WELL: Doug Fernald Address 9559 Towner Rd. Portland Michigan 48875 Address Same As Well Location? ☐ Yes ☒ No	
		4 WELL DEPTH: <u>134</u> FT. Date Completed <u>4</u> <u>7</u> <u>94</u> ☐ New Well ☒ Replacement Well	
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐	
2 FORMATION DESCRIPTION		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
	THICKNESS OF STRATUM	7 CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded Diameter <u>5</u> in. to <u>127</u> ft. depth Height: Above/Below <u>XXXX</u> Surface <u>1</u> ft. Weight <u>PVC</u> lbs./ft. Drive Shoe ☒ Yes ☐ No	
<u>Sand & Clay & Gravel</u>	<u>37</u>	8 SCREEN: ☐ Not Installed Type <u>NONE</u> Diameter _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. FITTINGS: ☐ K-Packer ☐ Load Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other _____	
<u>Clay</u>	<u>17</u>	9 STATIC WATER LEVEL: <u>Flow</u> ft. below land surface ☐ Flow	
<u>Clay & Gravel</u>	<u>55</u>	10 PUMPING LEVEL: below land surface <u>5</u> ft. after <u>2</u> hrs. pumping at <u>20</u> G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
<u>Sand & Gravel</u>	<u>25</u>	11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit	
		12 WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>25</u> ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____	
		13 Nearest source of possible contamination Type <u>TWN Sewer</u> Distance <u>20</u> ft. Direction <u>N</u> Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No	
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <u>Red Jacket</u> Model number <u>50RTW1-MN9BG</u> Volts <u>230</u> Length of Drop Pipe <u>40</u> ft. capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name <u>Wellxtrol</u> Model number <u>WX205</u> Capacity <u>34</u> Gallons	
15. Remarks, elevation, source of data, etc.		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. <u>Maurer & Parks Well Drilling Inc. 0383</u> Address <u>1700 N. East St. Lansing, Mich. 48906</u> Signed <u>Engineer Maurer</u> Date <u>4-12-94</u> AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: <u>Jack Peru</u>			

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NO:

12841

1. LOCATION OF WELL

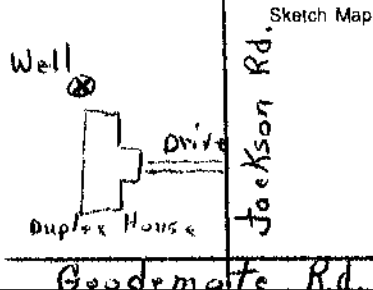
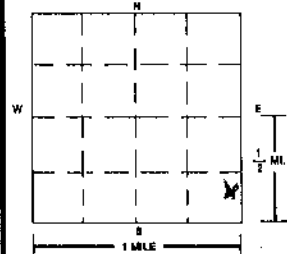
County Ionia Township Name Boston Fraction NE 1/4 SE 1/4 SW 1/4 Section No. 36 Town No. 6N Range No. 8W

Distance and Direction from Road Intersection

1/2 Mile North of Goodemote on Jackson Rd.
Jackson Rd. Clarksville MI.

Street Address & City of Well Location

Locate with 'x' in Section Below



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

<u>Loamy Sand</u>	<u>4</u>	<u>4</u>
<u>Gray Clay</u>	<u>4</u>	<u>8</u>
<u>Fine Brown Sand</u>	<u>22</u>	<u>30</u>
<u>Medium + Coarse Sand and</u>		
<u>Fine Gravel</u>	<u>10</u>	<u>40</u>

3. OWNER OF WELL

Address Greg WilcoxAddress Same as Well Location ☐ Yes ☐ No

4. WELL DEPTH:

Date Completed 8/5/94☒ New Well☐ Replacement Well5. ☒ 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☐ OtherHeight: 9 Below Surface: 9 ft.Diameter: 4 in. to 36 ft. depthWeight: 11 lbs./ft. in. to ft. depth

BORE HOLE:

Diameter: in. to ft. depth in. to ft. depth☒ Drive Shoe☐ Shale Packer8. SCREEN: ☐ Not Installed☐ Gravel-PackedType Stainless Steel Diameter 3"Slot Size 10 Length: 4'Set Between 36 ft. and 40 ft.FITTINGS: ☒ K-Packer☐ Bremer Check☒ Blank Above Screen 1 ft. Other

9. STATIC WATER LEVEL:

7 ft. Below Land Surface☐ Flowing

10. PUMPING LEVEL: Below Land Surface

 ft. After hrs. Pumping at G.P.M.☐ Plunger☐ Bailer☐ Air☐ Test Pump

11. WELL HEAD COMPLETION:

☒ Pitless Adapter☐ 12" Above Grade☐ Basement Offset☐ Well House

12. WELL GROUTED?

☐ No☒ YesFrom 0 to 36 ft.☐ Neat Cement☒ Bentonite☐ Other No. of Bags Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type Septic Distance 80 ft. Direction SouthType Distance ft. Direction 14. PUMP: ☐ Not Installed☐ Pump Installation OnlyManufacturer's Name MyersModel Number 2NFI 52-12HP 1/2Volts 230Length of Drop Pipe 30 ft.Capacity 12 G.P.M.TYPE: ☒ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name Clayton MarkModel Number CM 202Capacity 8.6 Gallons8.4

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ NoCasing Diameter in.Depth ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Concrete Grout☐ Bentonite Slurry☐ Bentonite Chips☐ Cement/Bentonite SlurryCasing Removed? ☐ Yes ☐ NoNo. of Bags

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

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ SubcontractorName Stan Eckley

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.

REGISTERED BUSINESS NAME Stone's Well DrillingREGISTRATION NO. 1874Address 4321 Olmstead Rd. Ionia, MI. 48846Signed Stan EckleyDate 8-5-94

AUTHORIZED REPRESENTATIVE

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

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

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

12810

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

1/4 1/4 1/4

Section No.

36

Town No.

6

Range No.

8

Distance and Direction from Road Intersection

Well located in Morrison Lk. Gardens
south of Portland Rd.

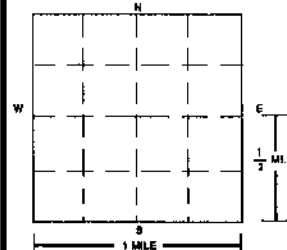
84 Morrison Lk. Garden

Street Address & City of Well Location

Saranac

Locate with 'x' in Section Below

Sketch Map



PTID Rd
Gulf Course
M Lake Gardens

2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUMClay
Sand41
641
473. OWNER OF WELL Richard Fairchild
Address 84 Morrison Lk. Garden
Saranac, MI.
48881Address Same as Well Location ☒ Yes ☐ No4. WELL DEPTH:
47 ft.Date Completed
08/03/94☐ New Well
☒ Replacement Well5. ☐ Cable Tool
☐ Hollow Rod☒ Rotary
☒ Auger/Bored☐ Driven ☐ Dug
☐ Jetted ☐6. USE: ☒ Household
☒ Irrigation
☐ Test Well☐ Type I Public
☐ Type IIa Public
☐ Type IIb Public☐ Type III Public
☐ Heat Pump
☐

7. CASING:

☐ Steel ☐ Threaded
☒ Plastic ☐ Welded
☒ OtherHeight: Above/Below
Surface: 1 ftDiameter: 5 in. to 43 ft. depth
5 in. to 43 ft. depth

Weight: SDR-21 lbs./ft.

BORE HOLE:

Diameter: 8 in. to 43 ft. depth
in. to ft. depth☐ Drive Shoe
☐ Shale Packer8. SCREEN: ☐ Not Installed ☒ Gravel-Packed

Type STAINLESS S. Diameter 4"

Slot/Gauze 10 Length: 4"

Set Between 43 ft. and 47 ft.

FITTINGS: ☒ K-Packer ☐ Bremer Check☐ Blank Above Screen ft. Other

9. STATIC WATER LEVEL:

12 ft. Below Land Surface ☐ Flowing

10. PUMPING LEVEL: Below Land Surface

12 ft. After 1 hrs. Pumping at 40 G.P.M.

☒ Plunger ☐ Bailer ☐ Air ☐ Test Pump

11. WELL HEAD COMPLETION:

☒ Pitless Adapter ☒ 12" Above Grade
☐ Basement Offset ☐ Well House

12. WELL GROUTED?

☐ No ☒ Yes From 0 to 35 ft.☐ Neat Cement ☒ Bentonite ☐ Other

No. of Bags Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type Distance Direction

Type Sewer Distance 20 ft. Direction E

15. ABANDONED WELL PLUGGED?

☒ Yes ☐ No

Casing Diameter 2 in. Depth ft.

PLUGGING MATERIAL:

☐ Neat Cement ☐ Bentonite Slurry☐ Cement/Bentonite Slurry ☐ Concrete Grout ☒ Bentonite ChipsNo. of Bags Casing Removed? ☐ Yes ☒ No

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

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name Timothy Seese

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.

G.L. Seese and Sons Well Drig. 34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Clarksville, MI. 48815

Signed Timothy Seese
AUTHORIZED REPRESENTATIVE

Date 8-25-94

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978

Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

WATER WELL AND PUMP RECORD

PERMIT NUMBER

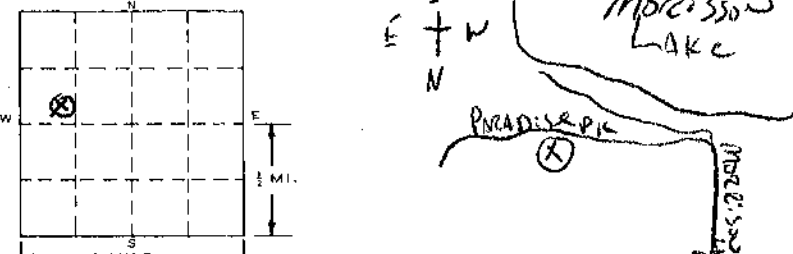
1 2392

1 LOCATION OF WELL		TOWNSHIP NAME		FRACTION		SECTION NUMBER		TOWN NUMBER		RANGE NUMBER	
County <u>Ionia</u>		Township Name <u>Boston</u>		1/4 1/4 1/4		<u>36</u>		<u>6</u> <u>N</u> <u>S</u>		<u>8</u> <u>E</u> <u>M</u>	
Distance And Direction From Road Intersection <u>1/8 mile north of Goodenote Rd on Breeze Point Rd</u>											
Street Address & City of Well Location											
Locate with "X" in Section Below											
				Sketch Map: 							
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:			
<u>Brown Clay</u>				<u>40</u>		<u>40</u>		<u>Bude + Shelly Freeman</u>			
<u>Brown Clay + Gravel</u>				<u>60</u>		<u>100</u>		Address <u>8923 Breeze Point</u>			
<u>18 Slot Water Sand</u>				<u>6</u>		<u>106</u>		Address Same As Well Location? ☒ Yes ☐ No			
								4 WELL DEPTH: Date Completed <u>11/12/93</u> ☒ New Well ☐ Replacement Well			
								5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug			
								☐ Hollow rod ☐ Auger ☐ Jetted ☐			
								6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public			
								☐ Irrigation ☐ Type IIa Public ☐ Heat pump			
								☐ Test Well ☐ Type IIb Public ☐			
								7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded			
								Height: Above <u>1</u> ft.			
								Surface <u>1</u> ft.			
								Weight <u>1</u> lbs./ft.			
								Drive Shoe ☐ Yes ☐ No			
								8 SCREEN: ☐ Not Installed			
								Type <u>Stainless</u> Diameter <u>3"</u>			
								Slot/Gauge <u>18</u> Length <u>4'</u>			
								Set between <u>102</u> ft. and <u>100</u> ft.			
								FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check			
								☐ Blank above screen <u>ft.</u> Other <u>on end</u>			
								9 STATIC WATER LEVEL: <u>93</u> ft. below land surface ☐ Flow			
								10 PUMPING LEVEL: below land surface			
								ft. after <u>hrs.</u> pumping at <u>G.P.M.</u>			
								ft. after <u>hrs.</u> pumping at <u>G.P.M.</u>			
								11 WELL HEAD COMPLETION ☒ Pitless adapter ☒ 12" above grade			
								☐ Basement offset ☐ Approved pit			
								12 WELL GROUTED? ☐ No ☐ Yes From <u>ft.</u> to <u>ft.</u>			
								☐ Neat cement ☐ Bentonite ☐ Other <u>ft.</u>			
								No. of bags of cement <u>ft.</u> Additives <u>ft.</u>			
								13 Nearest source of possible contamination			
								Type <u>sewer</u> Distance <u>25</u> ft. Direction <u>South</u>			
								Well disinfected upon completion? ☒ Yes ☐ No			
								Was old well plugged? ☐ Yes ☐ No			
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only			
								Manufacturer's name <u>Red Jacket</u>			
								Model number <u>2-1/2</u> HP <u>1/2</u> Volts <u>230</u>			
								Length of Drop Pipe <u>10</u> ft. capacity <u>10</u> G.P.M.			
								TYPE: ☒ Submersible ☐ Jet			
								PRESSURE TANK: <u>WILL-X-TROLL</u>			
								Manufacturer's name <u>WILL-X-TROLL</u>			
								Model number <u>202</u> Capacity <u>20</u> Gallons			
15. Remarks, elevation, source of data, etc.											
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.											
<u>O'Connor Well Drilling 34-1762</u>											
REGISTERED BUSINESS NAME <u>1350 Noddins Rd</u> REGISTRATION NO. <u>Bldg</u>											
Address <u>1350 Noddins Rd</u>											
Signed <u>Rob Gregory</u> Date <u>11-17-93</u>											
AUTHORIZED REPRESENTATIVE											
Authority: <u>Completion:</u> Act 368 PA 1978											
Penalty: <u>Conviction of a violation of any provision is a misdemeanor.</u>											

WATER WELL AND PUMP RECORD

12845

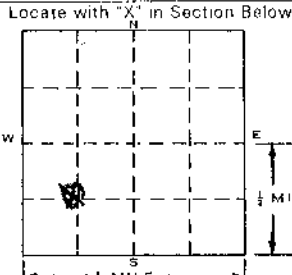
PERMIT NUMBER

1 LOCATION OF WELL		TOWNSHIP NAME		FRACTION		SECTION NUMBER		TOWN NUMBER		RANGE NUMBER	
County <u>Ionia</u>		TOWNSHIP NAME <u>Boston</u>		FRACTION <u>SE 1/4 SW 1/4 NW 1/4</u>		SECTION NUMBER <u>36</u>		TOWN NUMBER <u>6</u> <u>NS</u>		RANGE NUMBER <u>8</u> <u>EW</u>	
Distance And Direction From Road Intersection <u>Platted Sub</u> <u>766 PARADISE PARK</u> <u>SARANAC MICH</u>				3 OWNER OF WELL: <u>DAVID KOOSMAN</u> Address <u>766 PARADISE PARK</u> <u>SARANAC MICH 48881</u> Address Same As Well Location? ☒ Yes ☐ No							
Street Address & City of Well Location				4 WELL DEPTH: <u>50</u> FT. Date Completed <u>9/30/94</u> ☐ New Well ☒ Replacement Well							
Locate with "X" in Section Below				5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐							
Sketch Map: 				6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐							
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		7 CASING: Diameter <u>4</u> in to <u>40</u> ft. depth ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic ☐ Height: <u>1</u> Above/Below Surface <u>1</u> ft. Weight <u>11</u> lbs./ft. Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☒ Yes ☐ No _____ in. to _____ ft. depth			
<u>BLACK DIRT</u>				<u>6</u>		<u>6</u>		8 SCREEN: ☐ Not installed Type <u>PLASTIC</u> Diameter <u>3"</u> Slot/Gauze <u>.010</u> Length <u>10'</u> Set between <u>40</u> ft. and <u>50</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bromer Check ☒ Blank above screen <u>1</u> ft. Other _____			
<u>MARL & COBBLES</u>				<u>10</u>		<u>16</u>		9 STATIC WATER LEVEL: <u>12</u> ft. below land surface ☐ Flow			
<u>SANDY MARL</u>				<u>20</u>		<u>36</u>		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at _____ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.			
<u>SAND</u>				<u>14</u>		<u>50</u>		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit			
								12 WELL GROUTED? ☐ No ☒ Yes From _____ to _____ ft. ☐ Neat cement ☐ Bentonite ☐ Other <u>Leamed method</u> No. of bags of cement _____ Additives <u>1</u>			
								13 Nearest source of possible contamination Type <u>SEWER</u> Distance <u>20'</u> Direction <u>E</u> Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☒ Yes ☐ No			
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name <u>BURKS</u> Model <u>3 wire 12 gpm</u> HP <u>1/2</u> Volts <u>220</u> Length of Drop Pipe <u>30</u> ft. capacity <u>12</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: <u>X-TROLL</u> Manufacturer's name _____ Model number <u>202</u> Capacity <u>20</u> Gallons			
15. Remarks, elevation, source of data, etc.				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. <u>WEST MICH WATER WELL 34-2126</u> REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____ Address <u>516 MORRICK BELDING 48809</u> Signed <u>Mike Kodiman</u> Date _____ AUTHORIZED REPRESENTATIVE							
17. Rig Operator's Name: <u>Mike Kodiman</u>											

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 2821

1 LOCATION OF WELL		3 OWNER OF WELL:																
County TONIA	Township Name BOSTON	Fraction SW 1/4 SE 1/4 SW 1/4	Section Number 36															
Distance And Direction From Road Intersection Morrison Lake rd to the lake, south. First Rd East to the curce in rd. north corner.		Town Number T 6 N																
Street Address & City of Well Location 750 PARADISE PARK		Range Number R 8 E																
Locate with "X" in Section Below 		Address 750 PARADISE PARK MORRISON LAKE Address Same As Well Location? ☒ Yes ☐ No																
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>TOP SOIL</td> <td>4</td> <td>4</td> </tr> <tr> <td>BROWN CLAY</td> <td>18</td> <td>22</td> </tr> <tr> <td>GRAY SANDY CLAY</td> <td>4</td> <td>26</td> </tr> <tr> <td>WATER SAND Corse</td> <td>19</td> <td>45</td> </tr> </tbody> </table>			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	TOP SOIL	4	4	BROWN CLAY	18	22	GRAY SANDY CLAY	4	26	WATER SAND Corse	19	45	4 WELL DEPTH: 45 FT. Date Completed 7 2 94 ☒ New Well ☒ Replacement Well	
			THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM														
		TOP SOIL	4	4														
		BROWN CLAY	18	22														
GRAY SANDY CLAY	4	26																
WATER SAND Corse	19	45																
5 ☒ Cable tool ☐ Rotary ☒ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted																		
6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public																		
7 CASING: ☒ Steel ☐ Threaded ☒ Welded ☐ Plastic Height: Above/Below Surface 1 ft. 8 in. to 40 ft. depth Weight 11 lbs./ft. 3 in. to 5 ft. depth Drive Shoe ☒ Yes 5 in. to 27 ft. depth ☐ No																		
8 SCREEN: ☐ Not Installed Type Smith Diameter 3 inch Slot/Gauze 10 ss Length 4 FT Set between 40 ft. and 45 ft. FITTINGS: ☒ K-Packer ☐ Load Packer ☐ Bremer Check ☒ Blank above screen 6 ft. Other plug																		
9 STATIC WATER LEVEL: 16 ft. below land surface ☐ Flow																		
10 PUMPING LEVEL: below land surface 30 ft. after 1 hrs. pumping at 15 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																		
11 WELL HEAD COMPLETION: ☒ P-tless adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit																		
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 27 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																		
13 Nearest source of possible contamination Type S LINE Distance 20 ft. Direction N Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No																		
14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name STRA RITE Model number 10sp4co2t HP 1/2 Volts 115 Length of Drop Pipe 32 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: not installed Manufacturer's name _____ Capacity _____ Gallons																		
15. Remarks, elevation, source of data, etc. 17. Rig Operator's Name: <i>Chipman</i>		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. CHIPMAN, S WELL DRILLING 1766 REGISTERED BUSINESS NAME REGISTRATION NO. Address 6135 RIVERSIDE DR SARANAC MI Signed <i>Jack Chipman</i> Date 7 5 94 AUTHORIZED REPRESENTATIVE																

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:

TAX NO:

1. LOCATION OF WELL

County

Township Name

Fraction

Section No.

Town No.

Range No.

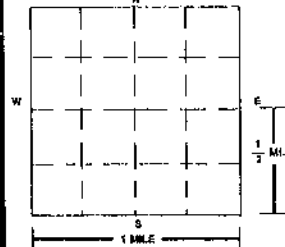
Distance and Direction from Road Intersection

Well located at 279 Dausman Park

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



Sketch Map
Dausman Park
Clarksville, MI

3. OWNER OF WELL Steve Butler

Address 279 Dausman Park
Clarksville, MI 48831Address Same as Well Location ☐ Yes ☐ No

4. WELL DEPTH:

Date Completed

☐ New Well☐ Replacement Well

117 ft.

05/27/98

☐ 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☒ Plastic☐ Threaded☐ Welded☐ Other

Height: Above/Below

Surface: 1 ft

Diameter: 8 in. to 11 ft. depth

8 in. to 11 ft. depth

Weight: SDR-2 lbs./ft.

BORE HOLE:

Diameter: 8 in. to 11 ft. depth

8 in. to 11 ft. depth

☐ Drive Shoe☐ Shale Packer8. SCREEN: ☐ Not Installed☒ Gravel-Packed

Type STAINLESS S.

Diameter 4"

Slot/Gauze 15

Length: 4"

Set Between 115 ft. and 119 ft.

FITTINGS: ☐ K-Packer☐ Bremer Check☐ Blank Above Screen

ft. Other

9. STATIC WATER LEVEL:

3 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

3 ft. After 1 hrs. Pumping at 45 G.P.M.

☐ Plunger☐ Bailer☒ Air☐ Test Pump

11. WELL HEAD COMPLETION:

☒ Pitless Adaptor☒ 12" Above Grade☐ Basement Offset☐ Well House

12. WELL GROUTED?

☐ No☐ Yes

From 0 to 110 ft.

☐ Neat Cement☐ Bentonite☐ Other

No. of Bags

☒ Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type S. Line

Distance 12 ft.

Direction N

Type S. Line

Distance 12 ft.

Direction N

14. PUMP: ☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Red Jacket

Model Number

HP

Volts

Length of Drop Pipe

12 ft.

Capacity 72 G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other 10

PRESSURE TANK:

Manufacturer's Name

Structural Fibers

Model Number

WM-2

Capacity

Gallons

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter in.

Depth ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☐ Bentonite Chips

No. of Bags

Casing Removed?

☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name

Donald Seese

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.

Seese Well Drilling Co.

REGISTERED BUSINESS NAME

34-1905

REGISTRATION NO.

Address

Clarksville, MI 48835

Signed

Timothy Seese

AUTHORIZED REPRESENTATIVE

Date

3-30-98

WATER WELL AND PUMP RECORD

PERMIT NUMBER

12823

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
IONIA		BOSTON		SW 1/4		1/4		26		5		R 8 E W	
Distance And Direction From Road Intersection													
1 ST, ROAD OFF PORTLAND RD, OF THE MORRISON GOLF CORSE. END ROAD													
WEST LOT 17.													
Street Address & City of Well Location LOT 17 MORRISON LAKE Gardens													
Locate with "X" in Section Below													
Sketch Map:													
2 FORMATION DESCRIPTION				THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		3 OWNER OF WELL:					
GRAY CLAY				25		25		DON DUCHARME					
GRAVEL				7		32		Address 7800 Legend Woods					
GRAY CLAY				10		42		Grand Ledge 48837					
FINE GRAVEL				8		50		Address Same As Well Location? ☐ Yes ☒ No					
								4 WELL DEPTH: Date Completed					
								50 FT. 7 18 94					
								☒ New Well					
								☒ Replacement Well					
								5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug					
								☐ Hollow rod ☐ Auger ☐ Jetted ☐					
								6 USE ☒ Domestic ☐ Type I Public ☐ Type III Public					
								☐ Irrigation ☐ Type IIa Public ☐ Heat pump					
								☐ Test Well ☐ Type IIb Public ☐					
								7 CASING Diameter ☒ Steel ☐ Threaded ☒ Welded					
								4 in. to 45 ft. depth					
								3 in. to 5 ft. depth					
								Grouted Drill Hole Diameter					
								5 in. to 28 ft. depth					
								in. to ft. depth					
								Height Above/Below Surface 11.00					
								Weight 11 lbs./ft.					
								Drive Shoe ☒ Yes ☐ No					
								8 SCREEN: ☐ Not Installed					
								Type HOUSTON Diameter 3 INCH					
								Slot/Gauze 10 ss Length 4 FT					
								Set between 46 ft. and 50 ft.					
								FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check					
								☒ Blank above screen 1.6 ft. Other PLUG					
								9 STATIC WATER LEVEL: 11 ft. below land surface ☐ Flow					
								10 PUMPING LEVEL: below land surface					
								18 ft. after 1/2 hrs. pumping at 15 G.P.M.					
								ft. after hrs. pumping at G.P.M.					
								11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade					
								☐ Basement offset ☐ Approved pit					
								12 WELL GROUTED? ☐ No ☒ Yes From 0 to 25 ft					
								☐ Neat cement ☒ Bentonite ☐ Other					
								No. of bags of cement Additives					
								13 Nearest source of possible contamination					
								Type SEPECT L Distance 26 ft. Direction E					
								Well disinfected upon completion? ☒ Yes ☐ No					
								Was old well plugged? ☐ Yes ☒ No					
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only					
								Manufacturer's name FAIRBANKS					
								Model number 2445050117 HP 1/2 Volts 230					
								Length of Drop Pipe 30 ft capacity 10 G.P.M.					
								TYPE: ☒ Submersible ☐ Jet					
								PRESSURE TANK:					
								Manufacturer's name NOT INSTALLED					
								Model number Capacity Gallons					
15. Remarks, elevation, source of data, etc.													
17. Rig Operator's Name: Chipman													
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.													
Chipman's W/D. 1766													
REGISTERED BUSINESS NAME ADDRESS 6125 River Side DR													
Signed SARAWAC AL Date 7-21-94													
AUTHORIZED REPRESENTATIVE													

USE A 2ND SHEET IF NEEDED

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

13218

1. LOCATION OF WELL

County

Township Name

Fraction

Section No.

Town No.

Range No.

Distance and Direction from Road Intersection

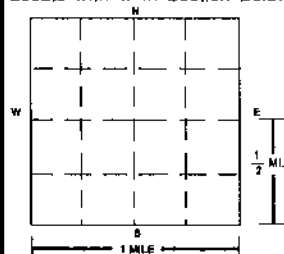
Well located 1/8 mile N. of Goodemote Rd. & 20" W. of Breezy Pt. at 429

Street Address & City of Well Location

429 Breezy Pt.
Clarksville

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Clay & Gravel

27

27

Clay

51

78

Sand

7

85

3. OWNER OF WELL

Evelyn Rhoades

Address

429 Breezy Pt.
Clarksville, MI.
48815Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

85 ft.

04/14/95

☐ New Well☒ Replacement Well5. ☐ 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: 1 ft

Diameter: 5 in.

to 31 in.

ft. depth

Weight: SDR-21 lbs./ft.

BORE HOLE:

Diameter: 8 in.

to 31 in.

ft. depth

☐ Drive Shoe☐ Shale Packer8. SCREEN: ☐ Not Installed☒ Gravel-Packed

Type: STAINLESS S.

Diameter: 4"

Slot/Gauze: 12

Length: 4"

Set Between: 31 ft.

and 85 ft.

FITTINGS: ☒ K-Packer☐ Bremer Check☐ Blank Above Screen

ft. Other: 1

9. STATIC WATER LEVEL:

12 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

12 ft.

After 1 hrs.

Pumping at 60 G.P.M.

☐ Plunger☐ Bailor☐ Air☐ Test Pump

11. WELL HEAD COMPLETION:

☒ Pitless Adapter☒ 12" Above Grade☐ Basement Offset☐ Well House12. WELL GROUTED? ☐ No☐ Yes

From 70 to 70 ft.

☐ Neat Cement☒ Bentonite☐ Other

No. of Bags

X Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: S. Line

Distance: 70 ft.

Direction: W

Type: S. Line

Distance: 70 ft.

Direction: W

14. PUMP: ☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Model Number

F. & M.

HP

Volts

Length of Drop Pipe

108052 ft.

Capacity

1/2 340

TYPE: ☐ Submersible☐ Jet☐ Other

10

PRESSURE TANK:

Manufacturer's Name Amtrol

Model Number WX-203

Capacity

Gallons

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.

R.L. Seese and Sons Well Drig. 34-1905
REGISTERED BUSINESS NAME REGISTRATION NO.

Address Clarksville, MI. 48815

Signed Timothy Seese
AUTHORIZED REPRESENTATIVE

Date 4-19-95

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name

Ronald Seese

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

Authority: Act 366 PA 1978
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemeanor.

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:

14779

TAX NO:

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

1/4 1/4 1/4

Section No.

36

Town No.

6N

Range No.

8W

Distance and Direction from Road Intersection

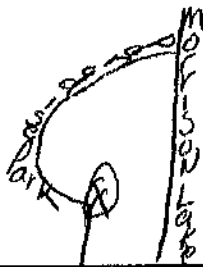
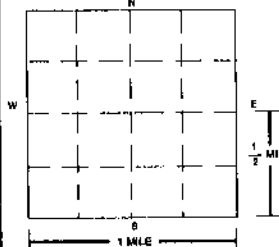
1 mile from Morrison Lake Rd
ON Paradise Park

Street Address & City of Well Location

798 Paradise Park, Saranac

Locate with 'x' in Section Below

Sketch Map



3. OWNER OF WELL

Address

Timothy Haskins
798 Paradise Park
Saranac, MI. 48881

Address Same as Well Location ☐ Yes ☐ No

4. WELL DEPTH:

94 ft.

Date Completed

11/11/97

☒ 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

Height: Above/Below

☒ Plastic

☐ Welded

Surface: 1 ft

☐ Other

Diameter: 5 in. to 90 ft. depth

Weight: lbs./ft.

in. to ft. depth

BORE HOLE:

Diameter: 8 in. 94 ft. depth

☐ Drive Shoe

☐ Shale Packer

in. to ft. depth

8. SCREEN: ☐ Not Installed

☐ Gravel-Packed

Type: Stainless

Diameter: 3"

Slot/Gauze

18

Length: 4'

Set Between 90 ft. and 94 ft.

FITTINGS:

☐ K-Packer

☐ Bremer Check

☐ Blank Above Screen

ft. Other: ON END

9. STATIC WATER LEVEL:

20 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

ft. After

hrs. Pumping at

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 90 ft.

☐ Neat Cement

☐ Bentonite

☐ Other

No. of Bags 6

Additives: Well Grout

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: Sewer

Distance: 78 ft.

Direction: East

Type:

Distance:

ft. Direction:

14. PUMP: ☐ Not Installed

☐ Pump Installation Only

Manufacturer's Name: Red Jacket

Model Number: 50CNU

HP: 1/2

Volts:

Length of Drop Pipe: 40 ft.

Capacity: 10 G.P.M.

TYPE: ☒ Submersible

☐ Jet

☐ Other

PRESSURE TANK:

Manufacturer's Name: Well X-trol

Model Number: 203

Capacity: 30 Gallons

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.

O'Connor Well Drilling

#34-1762

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address: 4350 Noddins Rd - Belting

Signed: Patricia O'Connor

Date: 12-22-97

AUTHORIZED REPRESENTATIVE

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM

DEPTH TO BOTTOM OF STRATUM

Brown Clay

23

23

Gravel

14

37

Gray Clay + Gravel

30

67

Gray Clay

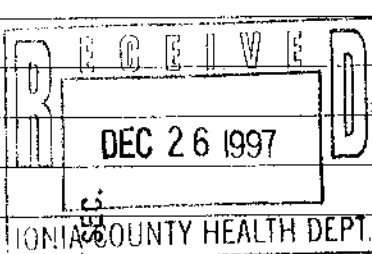
18

85

18 Slot Water Sand

9

94



RECEIVED
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

JAN 16 98

WATER SUPPLY SEC.

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter: in.

Depth: ft.

PLUGGING MATERIAL:

☐ Neat Cement

☐ Bentonite Slurry

☐ Cement/Bentonite Slurry

☐ Concrete Grout

☐ Bentonite Chips

No. of Bags

Casing Removed?

☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee

☐ Subcontractor

Name: Bob Gregory

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

1/4 1/4 1/4

Section No.

36

Town No.

6 N

Range No.

8 W

Distance and Direction from Road Intersection

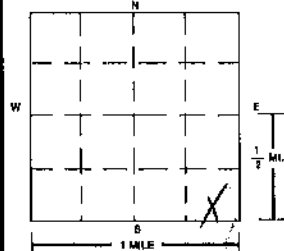
250' East of Morrison Lake Rd

Street Address & City of Well Location

6922 Birchwood Saranac

Locate with 'x' in Section Below

Sketch Map



Morrison Lake

Birchwood

3. OWNER OF WELL

Address Lionell Haskins

6922 Birchwood Saranac

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

145 ft.

11/8/95

☒ New Well
☐ Replacement Well5. ☐ Cable Tool☒ Rotary☐ Driven☐ Dug☐ Hollow Rod☐ Auger/Bored☐ Jatted

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: 1 ft

Diameter: 5 in.

to 133 ft. depth

Weight: lbs./ft.

in. to ft. depth

BORE HOLE:

Diameter: 8 in.

to 145 ft. depth

☐ Drive Shoe☐ Shale Packer

in. to ft. depth

8. SCREEN:

☐ Not Installed☐ Gravel-Packed

Type: Stainless

Diameter: 3"

Slot/Gauze: 1/32"

Length: 10'

Set Between: 133 ft.

and 145 ft.

FITTINGS:

☐ K-Packer☐ Bremer Check☐ Blank Above Screen

ft. Other: On End

9. STATIC WATER LEVEL:

30 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

ft. After

hrs. Pumping at

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 130 ft.

☐ Neat Cement☐ Bentonite☐ Other: Quick Grout

No. of Bags: 8

Additives:

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: Sewer

Distance: 50 ft.

Direction: North

Type:

Distance:

Direction:

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name: Red Jacket

Model Number: 286 P M HP 2

Volts: 230

Length of Drop Pipe: 80 ft.

Capacity: 30 G.P.M.

TYPE:

☒ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name: Well-X-Troll

Model Number: 4-302

Capacity: 300 Gallons

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter: in.

Depth: ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☐ Bentonite Chips

No. of Bags:

Casing Removed?

☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ Subcontractor

Name: Rob Gregory

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.

O'Connor Well Drilling 34-1762

4350 Noddins Rd Bldg

Signed: Rob Gregory Date: 1-16-96

AUTHORIZED REPRESENTATIVE

GW-2-228 9/03

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1975

Compilation: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

13222

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

1/4 1/4 1/4

Section No.

36

Town No.

6

Range No.

8

Distance and Direction from Road Intersection

Well located at 743 Wildwood Dr.,
Morrison Lk.

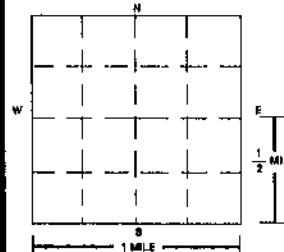
743 Wildwood Dr.

Street Address & City of Well Location

Saranac

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Clay	28	28
Sand	101	129
Gravel	5	134
Clay	39	173
Gravel	15	188
Gypsum	8	196
Loose Sandstone	2	198
Shale	37	235
Sand Stone	2	237
Shale	33	270
Sand Stone	28	298

3. OWNER OF WELL Bruce Harvey

Address 2167 Wolfboro
Kentwood, MI.
49508Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH:

298 ft.

Date Completed

09/18/95

☒ New Well☐ Replacement Well5. ☐ 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: 1 ftDiameter: 5 in. to 240 ft. depthWeight: SDR-21 lbs./ft.8 in. to 240 ft. depth

BORE HOLE:

Diameter: 8 in. to 240 ft. depth8 in. to 240 ft. depth☐ Drive Shoe☐ Shale Packer

8. SCREEN:

☒ Not Installed☐ Gravel-Packed

Type

Diameter

Slot/Gauze

Length:

Set Between

ft. and

FITTINGS:

☐ K-Packer☐ Bremer Check☐ Blank Above Screen

ft. Other

9. STATIC WATER LEVEL:

23 ft. Below Land Surface☐ Flowing

10. PUMPING LEVEL: Below Land Surface

23 ft. After 1 hrs. Pumping at 50 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☒ YesFrom 0 to 220 ft.☐ Neat Cement☐ Bentonite☐ Other

No. of Bags

Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type sewageDistance 40 ft.Direction WType sewageDistance 40 ft.Direction W

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Red Jacket

Model Number

75CNSWI

HP

3/4

Volts

Length of Drop Pipe

55 ft.

Capacity

18

G.P.M.

TYPE:

☐ Submersible☐ Jet☐ Other

PRESSURE TANK:

Structural Fibers

Manufacturer's Name

2-WM-20'S

Capacity

Gallons

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.

Seese Well Drilling Co.

34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Clarksville, MI. 48815

Signed Timothy Seese

Date 10-26-95

AUTHORIZED REPRESENTATIVE

Authority: Act 368 PA 1976

Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

GEOLOGICAL SURVEY COPY

				1	2	5	9	0
--	--	--	--	---	---	---	---	---

D67d/2/89

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

Geological Survey No 3 3
WATER WELL AND PUMP RECORD
Permit No. Page 1 of 1
3 County 3 Township Name 3 Fraction 3 Section No 3 Town No 3 Range Number 3
3 IONIA 3 BOSTON 3 NE 1/4 SE 1/4 SW 1/4 3 36 3 6 N 3 8 W 3
3 Distance And Direction From Road Intersection 3 Owner of Well MIKE SNEARY 3
3 Address 315 ARCHER DRIVE 3
3 CLARKSVILLE MI 48815 3
3 Address Same as Well Location? YES 3
3 Well Addr: 315 ARCHER DR CLARKSVILLE MI 48815 3
3 Locate with 'X' in Sec. Below Sketch Map 3 Depth Date Compl This is a: 3
3 121 ft. 02/28/96 NEW WELL 3
3 Equipment Used: CABLE TOOL 3
3 Well Use: DOMESTIC 3
3 Casing Type: STEEL Connection: WELDED 3
3 Diam. Height ABOVE 3
3 4 in. to 112 ft. Surface 1 ft 3
3 in. to ft. Weight 11 lb./ft. 3
3 Grouted Drill Hole Drive Shoe YES 3
3 in. to ft. 3
3 in. to ft. 3
3 Formation Description Thickness Depth 3 Screen Type: BIG FOOT Diam: 3 () Not Installed 3
3 CLAY, SAND, ROCKS 3 6 3 6 3 SLOT 20 Length: 70 3
3 SAND 3 16 3 22 3 Set Between 111 ft. and 121 ft. 3
3 CLAY 3 88 3 110 3 Fittings: K-PACKER (X) Blank above screen: ft. 3
3 GRAVEL & CLAY 3 11 3 121 3 Static Level: 10 ft. Flow: NO 3
3 3 3 3 3 Pumping Level below land surface: 3
3 3 3 3 3 111 ft. after hrs. @ 12 GPM 3
3 3 3 3 3 ft. after hrs. @ 0 GPM 3
3 3 3 3 3 Well-Head Completion: PITLESS ADAPTER 3
3 3 3 3 3 Grouted from to ft. Material: BENTONITE 3
3 3 3 3 3 Cement: 6 bags Additive: 3
3 3 3 3 3 Nearest source of possible contamination: 3
3 3 3 3 3 Type: SEPTIC TANK Distance: 50+ ft. 3
3 3 3 3 3 Direction: 3
3 3 3 3 3 Well disinfected on completion? YES Old well plugged? YES 3
3 3 3 3 3 Pump: () Not Installed () Installation Only 3
3 3 3 3 3 Manufacturer's Name: RED JACKET 3
3 3 3 3 3 Model: 3 WIRE HP: 0.75 Voltage: 240 3
3 3 3 3 3 Drop pipe: 90 ft. Capacity: 0 GPM 3
3 3 3 3 3 Pump type: SUBMERSIBLE 3
3 3 3 3 3 Pressure Tank Manufacturer's Name: WELL XTROL 3
3 3 3 3 3 Model: 202 Capacity: 20 Gal. 3
3 3 3 3 3 RIG OPERATOR'S NAME 3
3 3 3 3 3 Model: 202 Capacity: 20 Gal. 3
3 3 3 3 3 CHET URIE 3
3 3 3 3 3 WATER WELL CONTRACTOR'S CERTIFICATION: 3
3 This well was drilled under my jurisdiction and this report is 3
3 true to the best of my knowledge and belief. 3
3 Registered Bus. Name KARL GEIGER WATER WELL CONST. 0700 3
3 Business Address 5043 Whites Bridge R Belding MI 48809 3
3 Signed [Signature] 1618 05/10/96 3
3 Authorized Representative Date 3

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

13577

1. LOCATION OF WELL

County IoniaTownship Name Boston

Fraction

1/4 1/4 1/4

Section No.

36

Town No.

6

Range No.

8

Distance and Direction from Road Intersection

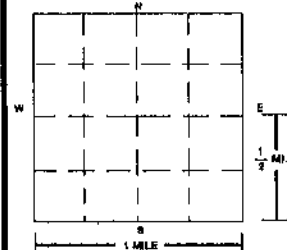
Well located at 407 Breezy Point407 Breezy Point

Street Address & City of Well Location

Clarksville

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUMSand88Marrow1523Sand629Clay4473Sand780

RECEIVED
Mich. Dept. of Public Health

OCT 06 1995

**BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-GWQS**

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in.

Depth _____ ft.

PLUGGING MATERIAL:

☐ Neat Cement ☐ Bentonite Slurry☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips

No. of Bags _____

Casing Removed? ☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ SubcontractorName Ronald Seese

GW-2-228 9/93

3. OWNER OF WELL

Address

Roger Borthouse
407 Breezy Point
Clarksville, MI.
48815

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

80 ft.08/21/95☒ New Well☐ Replacement Well5. ☐ 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: 1 ft.

SDR-21

Weight: _____ lbs./ft.

Diameter: 5 in. to 76 ft. depth

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: 8 in. to 76 ft. depth

_____ in. to _____ ft. depth

☐ Drive Shoe☐ Shale Packer

8. SCREEN:

☐ Not Installed☒ Gravel-PackedType STAINLESS S.Slot/Gauze 12Diameter 8Set Between 72ft. and 80

ft.

FITTINGS:

☐ K-Packer☐ Bremer Check☒ Blank Above Screen 1 ft. Other _____

9. STATIC WATER LEVEL:

8 ft. Below Land Surface☐ Flowing

10. PUMPING LEVEL: Below Land Surface

8 ft. After 1 hrs. Pumping at 40 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 ☒ YesFrom 0 to 65 ft.☐ Neat Cement☒ Bentonite☐ Other _____

No. of Bags _____

Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type S. Line Distance 18 ft. Direction N

Type _____ Distance _____ ft. Direction _____

14. PUMP:

☐ Not Installed☐ Pump Installation OnlyManufacturer's Name Red JacketModel Number 50RTW1 HP 1/2 Volts 230Length of Drop Pipe 21 ft. Capacity 10 G.P.M.TYPE: ☒ Submersible ☐ Jet ☐ Other _____PRESSURE TANK: Structural FibersManufacturer's Name WM-9

Model Number _____ Capacity _____ Gallons

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.

Seese Well Drilling Co.34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Clarksville, MI. 48815

Signed

Timothy Seese
AUTHORIZED REPRESENTATIVE

Date

8-23-95

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978

Completion: Required

Penalty: Conviction of a violation of any provision is a misdemeanor.

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:										
County TONIA	Township Name BOSTON	Fraction SE 1/4 NW 1/4 1/4	Section Number 36									
		Town Number 6	Range Number N/S 8 E/W									
Distance And Direction From Road Intersection APPROX 4 TENTHS OF A MILE S. OF PORTLAND RD ON E. SIDE OF JACKSON RD		Address BILL DESBRANGE 8386 JACKSON RD LAKE ODESSA MI 48849										
Street Address & City of Well Location		Address Same As Well Location? ☒ Yes ☐ No										
Locate with "X" in Section Below		4 WELL DEPTH: Date Completed MO. DAY YEAR ☒ New Well ☐ Replacement Well										
		59 FT. 1 23 89										
		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted ☐										
		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐										
		7 CASING: Diameter ☐ Steel ☐ Threaded ☐ Height: Above/Below Surface 1 ft. ☒ Plastic ☐ Welded Weight 500 lbs./ft. 5 in. to 55 ft. depth Grouted Drill Hole Diameter in. to ft. depth in. to ft. depth										
2 FORMATION DESCRIPTION <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FORMATION DESCRIPTION</th> <th>THICKNESS OF STRATUM</th> <th>DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>CLAY & GRAVEL</td> <td>26</td> <td>26</td> </tr> <tr> <td>SAND WATER BEARING</td> <td>33</td> <td>59</td> </tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	CLAY & GRAVEL	26	26	SAND WATER BEARING	33	59	8 SCREEN: ☐ Not Installed Type STAINLESS Diameter 4" Slot/Gauge 15 Length 4' Set between 55 ft. and 59 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other _____	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM								
CLAY & GRAVEL	26	26										
SAND WATER BEARING	33	59										
		9 STATIC WATER LEVEL: 25 ft. below land surface ☐ Flow										
		10 PUMPING LEVEL: below land surface 30 ft. after 2 hrs. pumping at 25 G.P.M. ft. after hrs. pumping at G.P.M.										
		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit										
		2 WELL GROUTED? ☐ No ☒ Yes From 0 to 40 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____ Nearest source of possible contamination Type SEPTIC Distance N ft. Direction 69' Well disinfected upon completion? ☒ Yes ☐ No Is old well plugged? ☐ Yes ☐ No										
		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name RED JACKET Model number LN98C HP 1/2 Volts 230 Length of Drop Pipe 40 ft. capacity 10 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name UB-250 WELL-X-TROL Capacity 12 Gallons										
		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. JAY SWIGER WELL DRIG 0047 REGISTERED BUSINESS NAME REGISTRATION NO. Address 9376 TASKER RD LAKE ODESSA Signed Jay Swiger Date 1-30-89 AUTHORIZED REPRESENTATIVE										
15. Remarks, elevation, source of data, etc.												
17. Rig Operator's Name: Steve Swiger												

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

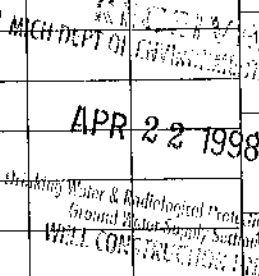
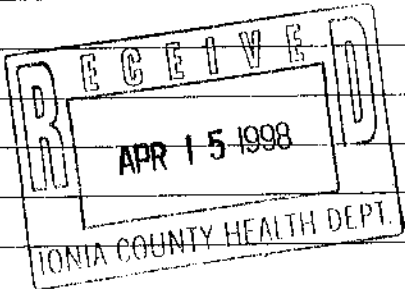
1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
TOWIA		Boston		SW 1/4 NW 1/4		36		6		N 8		E 8	
Distance And Direction From Road Intersection													
1/4 MILE E. OF INTERSECTION OF MORRISON LAKE RD & PORTLAND RD ON S. SIDE OF PORTLAND RD													
Street Address & City of Well Location													
Address #20 MORRISON LAKE GRD. SARANAC, MI													
Address Same As Well Location? ☒ Yes ☐ No													
Locate with "X" in Section Below		Sketch Map:		4 WELL DEPTH: 83 FT. Date Completed 6/23/89									
PORTLAND RD		MORRISON LAKE		5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted									
1 MILE		1 MILE		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public									
7 CASING: Diameter 5 in. to 79 ft. depth		Steel ☐ Threaded ☐ Plastic ☒ Welded ☐ Height: Above/Below Surface 1 ft.		Weight 5002 lbs./ft.									
8 SCREEN: ☐ Not Installed		Type STAINLESS Diameter 4"		Slot/Gauge 15 Length 4									
Set between 79 ft. and 83 ft.		FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check		☒ Blank above screen 1 ft. Other									
9 STATIC WATER LEVEL: 40 ft. below land surface		☐ Flow		10 PUMPING LEVEL: below land surface									
40 ft. after 2 hrs. pumping at 25 G.P.M.		ft. after hrs. pumping at G.P.M.		11 WELL HEAD COMPLETION: ☒ Pitless adapter ☒ 12" above grade ☐ Basement offset ☐ Approved pit									
12 WELL GROUTED? ☐ No ☒ Yes From 0 to 30 ft.		☐ Neat cement ☒ Bentonite ☐ Other		No. of bags of cement Additives									
13 Nearest source of possible contamination		Type ENCLOSED Distance 30 ft. Direction N		Well disinfected upon completion? ☒ Yes ☐ No									
Was old well plugged? ☒ Yes ☐ No		14 PUMP: ☐ Not Installed ☐ Pump Installation Only		Manufacturer's name RED JACKET									
Model number CN9BC HP 1/2 Volts 230		Length of Drop Pipe 60 ft. capacity 10 G.P.M.		TYPE: ☒ Submersible ☐ Jet									
PRESSURE TANK: Manufacturer's name EXISTING		Model number Capacity Gallons		15. Remarks, elevation, source of data, etc.									
BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH		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.									
17. Rig Operator's Name: Stuart Swiger		JAY SWIGER WELL DRILLING CO. 0047		REGISTERED BUSINESS NAME REGISTRATION NO.									
Address 9376 TASKER RD LAKE ODESSA		Signed Jay Swiger		Date 8-7-89									
AUTHORIZED REPRESENTATIVE		Authority: Completion: Penalty:		Act 388 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.									

DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION

WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
 Failure to comply is a misdemeanor

TAX NO:		PERMIT NO: 15023			
1. LOCATION OF WELL		3. OWNER OF WELL			
County	Township Name	Fraction	Section No.	Town No.	Range No.
Ionia	Dutton	N 1/4 Sec 1/4	26	6	8
Distance and Direction from Road Intersection		Address			
Well located 300' W. of Jackson Rd. & 40' N. of Dausman Park Rd.		216 Dausman Park Rd. Clarksville, MI. 48815			
Street Address & City of Well Location		Address Same as Well Location ☒ Yes ☐ No			
Locate with 'x' in Section Below		4. WELL DEPTH: <u>73</u> ft. Date Completed <u>04/10/98</u>			
		☐ New Well ☐ Replacement Well			
2. FORMATION DESCRIPTION		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			
		7. CASING: ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded ☐ Other			
		Height: Above/Below Surface: <u>1</u> ft.			
		Diameter: <u>5</u> in. to <u>69</u> ft. depth			
		Weight: <u>SDR-21</u> lbs./ft.			
		BORE HOLE: Diameter: <u>8</u> in. to <u>69</u> ft. depth			
		☐ Drive Shoe ☐ Shale Packer			
		8. SCREEN: ☐ Not Installed ☒ Gravel-Packed			
		Type <u>STAINLESS S</u> Diameter <u>4</u> "			
		Slot/Gauze <u>1/2</u> Length: <u>4</u> "			
		Set Between <u>1/2</u> ft. and <u>1/2</u> ft.			
		FITTINGS: ☒ K-Packer ☐ Bremer Check ☐ Blank Above Screen <u>1</u> ft. Other			
		9. STATIC WATER LEVEL: <u>38</u> ft. Below Land Surface ☐ Flowing			
		10. PUMPING LEVEL: Below Land Surface <u>38</u> ft. After <u>1</u> hrs. Pumping at <u>60</u> 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 <u> </u> to <u> </u> ft.			
		☐ Neat Cement ☐ Bentonite ☐ Other <u>60</u>			
		No. of Bags <u> </u> ☒ Additives			
		13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:			
		Type <u>Septic</u> Distance <u>60</u> ft. Direction <u>NW</u>			
		Type <u> </u> Distance <u> </u> ft. Direction <u> </u>			
		14. PUMP: ☐ Not Installed ☐ Pump Installation Only			
		Manufacturer's Name <u>Red Jacket</u> Volts <u> </u>			
		Model Number <u>PORTWI</u> Capacity <u>1/2</u> G.P.M.			
		Length of Drop Pipe <u>10</u> ft. TYPE: ☐ Submersible ☐ Jet ☐ Other <u>10</u>			
		PRESSURE TANK:			
		Manufacturer's Name <u>Structural Fibers</u>			
		Model Number <u>WM-9</u> Capacity <u> </u> Gallons			
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No		18. WATER WELL CONTRACTOR'S CERTIFICATION:			
Casing Diameter <u> </u> in. Depth <u> </u> ft.		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.			
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry		Signed <u>Spence Well Drilling Co.</u> Date <u>4-13-98</u>			
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips		REGISTERED BUSINESS NAME <u>Spence Well Drilling Co.</u> REGISTRATION NO. <u>34-1905</u>			
No. of Bags <u> </u> Casing Removed? ☐ Yes ☐ No		Address <u>Clarksville, MI. 48815</u>			
16. REMARKS: (Elevation, Source of Data, etc.)		SIGNED <u>Timothy Spence</u> AUTHORIZED REPRESENTATIVE			
17. DRILLING MACHINE OPERATOR:		Date <u>4-13-98</u>			
☐ Employee ☐ Subcontractor					
Name <u>Timothy Spence</u>					



DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION

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:

TAX NO:

1. LOCATION OF WELL

County

Township Name

Fraction

Section No.

Town No.

Range No.

Distance and Direction from Road Intersection

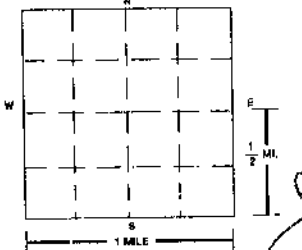
Well located 500' W. of Jackson Rd. &
70' S. of Dausman Park Dr.

Street Address & City of Well Location

237 Dausman Park Dr.
Clarksville

Locate with 'X' in Section Below

Sketch Map

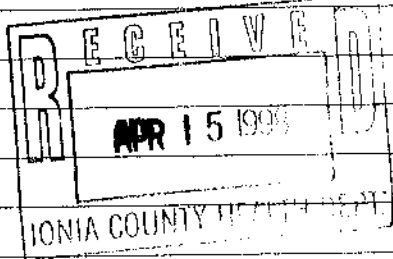


219 Dausman
Permit 14929

2. FORMATION DESCRIPTION

DIAMETER DEPTH TO BOTTOM OF STRATUM

Clay	3	3
Sandy Clay	16	19
Clay	52	71
Sand	9	80



RECEIVED
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

APR 22 1998

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ No

Casing Diameter _____ in.

Depth _____ ft.

PLUGGING MATERIAL:

☐ Cement/Bentonite Slurry

☐ Neat Cement

☐ Bentonite Slurry

☐ Concrete Grout

☐ Bentonite Chips

No. of Bags _____

Casing Removed?

☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ Subcontractor

Name

Timothy Seese

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.

Seese Well Drilling Co.
REGISTERED BUSINESS NAME

34-1905
REGISTRATION NO.

Address

Clarksville, MI 48815

Signed

Timothy Seese
AUTHORIZED REPRESENTATIVE

Date

4-13-98

3. OWNER OF WELL

Bob Helton

Address

237 Dausman Park Dr.
Clarksville, MI 48815

Address Same as Well Location

☐ Yes ☐ No

4. WELL DEPTH:

Date Completed

☒ New Well

☒ Replacement Well

☐ 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

Height: Above/Below

☒ Plastic

☐ Welded

Surface: _____ ft

☒ Other

Diameter: _____ in. to _____ ft. depth

Weight: SDR-2 lbs./ft.

5 in. to 76 ft. depth

BORE HOLE:

Diameter: 8 in. to 76 ft. depth

5 in. to 76 ft. depth

☐ Drive Shoe

☐ Shale Packer

8. SCREEN: ☐ Not Installed ☒ Gravel-Packed

Type STAINLESS S.

Diameter 4"

Slot/Gauze 1.5

Length: 4"

Set Between _____ ft. and _____ ft.

40 ft.

FITTINGS:

☒ B-Packer

☐ Bremer Check

☐ Blank Above Screen

ft. Other _____

9. STATIC WATER LEVEL:

42 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

42 ft. After _____ hrs. Pumping at _____ 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 _____ to _____ ft.

☐ Neat Cement

☒ Bentonite

☐ Other _____

No. of Bags _____

☒ Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type _____

Distance _____ ft.

Direction _____

Type Septic

Distance 85 ft.

Direction SE

14. PUMP:

☐ Not Installed

☐ Pump Installation Only

Manufacturer's Name

Model Number Red Jack

Volts _____

Length of Drop Pipe 10 ft.

Capacity 1/2 G.P.M.

TYPE: ☒ Submersible

☐ Jet

☐ Other 10

PRESSURE TANK:

Manufacturer's Name Structural Fibers

Model Number W-2

Capacity _____

Gallons _____

DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION

WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
 Failure to comply is a misdemeanor

TAX NO:					PERMIT NO: 15972		
1. LOCATION OF WELL		2. FORMATION DESCRIPTION			3. OWNER OF WELL Rick Koss		
County <u>Ionia</u>	Township Name <u>Boston</u>	Fraction <u>1/4 1/4 1/4</u>	Section No. <u>36</u>	Town No. <u>6</u>	Range No. <u>8</u>		
Distance and Direction from Road Intersection <u>Well located at 6165 lot # 11 Tiffany Ct. 1/8 ml. W. of Jackson and N. of Good Rd. 6165 Tiffany Ct. Lake Odessa</u>		Address <u>6165 Tiffany Ct. Lake Odessa, MI. 48849</u>					
Street Address & City of Well Location <u>Lake Odessa</u>		Address Same as Well Location ☒ Yes ☐ No					
Locate with 'x' in Section Below		Sketch Map					
		4. WELL DEPTH: <u>109</u> ft.		Date Completed <u>07/17/99</u>	☒ 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		Height: Above/Below Surface: <u>1</u> ft.			
		☒ Plastic ☐ Welded		Weight: <u>SDR-21</u> lbs./ft.			
		☐ Other					
		BORE HOLE: Diameter: <u>8</u> in. to <u>104</u> ft. depth		☐ Drive Shoe ☐ Shale Packer			
		Diameter: <u>8</u> in. to <u>104</u> ft. depth					
		Diameter: <u>8</u> in. to <u>104</u> ft. depth					
		8. SCREEN: ☐ Not installed ☒ Gravel-Packed					
		Type <u>STAINLESS S.</u> Diameter <u>4"</u>					
		Slot/Gauze <u>15</u> Long: <u>4"</u>					
		Set Between <u>105</u> ft. and <u>109</u> ft.					
		FITTINGS: ☒ Packer ☐ Bremer Check					
		☐ Blank Above Screen <u>1</u> ft. Other					
		9. STATIC WATER LEVEL: <u>6</u> ft. Below Land Surface ☐ Flowing					
		10. PUMPING LEVEL: Below Land Surface <u>6</u> ft. After <u>1</u> hrs. Pumping at <u>40</u> 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 <u>0</u> to <u>95</u> ft.					
		☐ Neat Cement ☐ Bentonite ☐ Other					
		No. of Bags <u>X</u> Additives					
		13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:					
		Type <u>S. Line</u> Distance <u>65</u> ft. Direction <u>NW</u>					
		Type <u>S. Line</u> Distance <u>65</u> ft. Direction <u>NW</u>					
		14. PUMP: ☐ Not Installed ☐ Pump Installation Only					
		Manufacturer's Name <u>Red Jacket</u>					
		Model Number <u>30CNSWI-1208-1/2</u> Volts <u>230</u>					
		Length of Drop Pipe <u>40</u> ft. Capacity <u>12</u> G.P.M.					
		TYPE: ☐ Submersible ☐ Jet ☐ Other					
		PRESSURE TANK: <u>Structural Fibers</u>					
		Manufacturer's Name <u>WM-9</u> Capacity <u> </u> Gallons					
		Model Number <u>WM-9</u> Capacity <u> </u> Gallons					
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No							
Casing Diameter <u> </u> in. Depth <u> </u> ft.							
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry							
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips							
No. of Bags <u> </u> Casing Removed? ☐ Yes ☐ No							
16. REMARKS: (Elevation, Source of Data, etc.)							
17. DRILLING MACHINE OPERATOR:							
☐ Employee ☐ Subcontractor							
Name <u>Timothy Seese</u>							
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.							
Seese Well Drilling Co. <u>34-1905</u>							
REGISTERED BUSINESS NAME							
Address <u>Clarksville, MI 48815</u>							
Signed <u>Timothy Seese</u> Date <u>7-26-99</u>							
AUTHORIZED REPRESENTATIVE							

DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION

WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
Failure to comply is a misdemeanor

TAX NO:				PERMIT NO:	
1. LOCATION OF WELL		Township Name		Section No.	
County		Fraction		Town No.	
Ionia		SE 1/4 SE 1/4 SW 4		6	
Range No.				8	
Distance and Direction from Road Intersection					
Well located 550' W. of Jackson Rd & 1/4 mile N. of Goodenote in Tiffany CL.					
8788 Tiffany CL.					
Street Address & City of Well Location Lake Odessa					
Locate with 'X' in Section Below		Sketch Map			
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM	
Clay		34		34	
Sand		10		44	
3. OWNER OF WELL Ed Phillips					
Address 8788 Tiffany CL.					
Lake Odessa, MI.					
48849					
Address Same as Well Location ☒ Yes ☐ No					
4. WELL DEPTH:		Date Completed		☒ New Well	
44 ft.		10/14/99		☐ 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		Height: Above/Below	
☒ Plastic ☐ Welded		☐ Other		Surface: _____ ft.	
Diameter: _____ in. to _____ ft. depth		Diameter: _____ in. to _____ ft. depth		Weight: SDR-21 lbs./ft.	
BORE HOLE:		☐ Drive Shoe		☐ Shale Packer	
Diameter: _____ in. to _____ ft. depth		Diameter: _____ in. to _____ ft. depth			
8. SCREEN: ☐ Not Installed ☒ Gravel-Packed					
Type STAINLESS S. _____ Diameter _____"					
Slot/Gauze _____ Length: _____"					
Set Between _____ ft. and _____ ft.					
FITTINGS: ☒ Packer ☐ Bremer Check					
☒ Blank Above Screen _____ ft. Other _____					
9. STATIC WATER LEVEL:					
_____ ft. Below Land Surface ☐ Flowing					
10. PUMPING LEVEL: Below Land Surface					
_____ ft. After _____ hrs. Pumping at _____ 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 _____ to _____ ft.					
☐ Neat Cement ☒ Bentonite ☐ Other _____					
No. of Bags _____ Additives _____					
13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:					
Type _____ Distance _____ ft. Direction _____					
Type _____ Distance _____ ft. Direction _____					
14. PUMP: ☐ Not installed ☐ Pump Installation Only					
Manufacturer's Name _____					
Model Number _____ HP _____ Volts _____					
Length of Drop Pipe _____ ft. Capacity _____ G.P.M.					
TYPE: ☐ Submersible ☐ Jet ☐ Other _____					
PRESSURE TANK: _____					
Manufacturer's Name _____					
Model Number _____ Capacity _____ Gallons _____					
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No					
Casing Diameter _____ in. Depth _____ ft.					
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry					
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips					
No. of Bags _____ Casing Removed? ☐ Yes ☐ No					
16. REMARKS: (Elevation, Source of Data, etc.)					
USE A 2ND SHEET IF NEEDED					
17. DRILLING MACHINE OPERATOR:					
☐ Employee ☐ Subcontractor					
Name _____					
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.					
Seese Well Drilling Co. 34-1905					
REGISTERED BUSINESS NAME REGISTRATION NO.					
Address _____					
Signed _____ Date 10-15-99					
AUTHORIZED REPRESENTATIVE					

WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
Failure to comply is a misdemeanor

TAX NO:

PERMIT NO:

1. LOCATION OF WELL

County

Tonia

Township Name

Repton

Fraction

SE 1/4 SE 1/4 N18/4

Section No.

36

Town No.

6

Range No.

8

Distance and Direction from Road Intersection

Well located 1/4 mile E. of Goodemote Rd. & 1/4 mile W. of Jackson Rd.

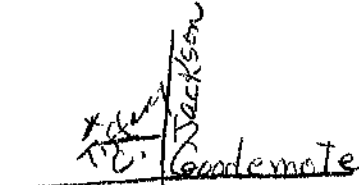
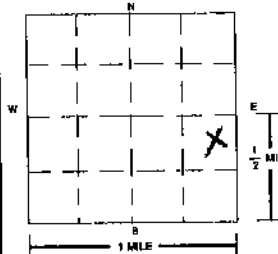
6216 Tiffany Ct.

Street Address & City of Well Location

Clarksville

Locate with 'x' in Section Below

Sketch Map



3. OWNER OF WELL Louis Horner

Address 6216 Tiffany Ct.

Clarksville, MI.

48815

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

129 ft.

Date Completed

09/16/99

☒ New Well☐ Replacement Well5. ☐ Cable Tool☒ Rotary☐ Driven☐ Dug☐ Hollow Rod☐ Auger/Bored☐ Jetted6. 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: 1 ft.Diameter: 5 in. to 124 ft. depth5 in. to 124 ft. depthWeight: SUR-21 lbs./ft.

BORE HOLE:

Diameter: 8 in. to 124 ft. depth8 in. to 124 ft. depth☐ Drive Shoe☐ Shale Packer8. SCREEN: ☐ Not Installed☒ Gravel-PackedType STAINLESS S.Diameter 4"Slot/Gauze 15Length: 4"Set Between 125 ft. and 129 ft.FITTINGS: ☒ Packer☐ Bremer Check☒ Blank Above Screen1 ft. Other

9. STATIC WATER LEVEL:

8 ft. Below Land Surface☐ Flowing

10. PUMPING LEVEL: Below Land Surface

8 ft. After 1 hrs. Pumping at 60 G.P.M.☐ Plunger☐ Bailer☒ Air☐ Test Pump

11. WELL HEAD COMPLETION:

☒ Pitless Adapter☒ 12" Above Grade☐ Basement Offset☐ Well House

12. WELL GROUTED?

☐ No ☐ YesFrom 0 to 115 ft.☐ Neat Cement☐ Bentonite☐ Other

No. of Bags

☒ Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type S. LineDistance 50 ft.Direction NWType S. LineDistance 50 ft.Direction NW14. PUMP: ☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Red Jacket

Model Number

500NSW1-1248-172

Volts

750

Length of Drop Pipe

40 ft.

Capacity

12

G.P.M.

TYPE: ☐ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name

Structural Fibers

Model Number

WM-9

Capacity

Gallons

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.

Seese Well Drilling Co.

34-1905

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address

Clarksville, MI 48815

Signed

Timothy Seese

Date

9-24-99

AUTHORIZED REPRESENTATIVE

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM

DEPTH TO BOTTOM OF STRATUM

Clay

5

5

Sand & Clay

19

24

Clay

17

41

Sand & Clay

5

46

Clay

70

116

Sand

13

129

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ NoCasing Diameter in.Depth ft.

PLUGGING MATERIAL:

☐ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☐ Bentonite Chips

No. of Bags

Casing Removed?

☐ Yes ☐ No

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

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name

Timothy Seese

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMIT NO:

WATER WELL AND PUMP RECORD

1. LOCATION OF WELL

County: IONIA

Township Name: BOSTON

Fraction: NE 1/4 SW 1/4

Section No: 36

Town No: 6N

Range No: 9W

Distance and Direction from Road Intersection

Street Address & City of Well Location

Address: DON FOSTER 144 Sunset DR. SARANAC, MI 48881

2. FORMATION DESCRIPTION

GRAVEL 08" 08'

GREY CLAY 42' 50'

SAND & GRAVEL 15' 65'

3. OWNER OF WELL

4. WELL DEPTH: 65 ft. Date Completed: 05/18/99

5. Cable Tool, Hollow Rod, Rotary, Auger/Bored

6. USE: Household, Type I Public, Type IIa Public, Type IIb Public

7. CASING: Plastic, Welded, Height: 1 ft.

8. SCREEN: Not Installed, Gravel-Packed, Type: STAINLESS, Diameter: 4", Slot/Gauze: 10, Length: 4'

9. STATIC WATER LEVEL: 12 ft. Below Land Surface

10. PUMPING LEVEL: 40 G.P.M.

11. WELL HEAD COMPLETION: Pitless Adapter, 12" Above Grade

12. WELL GROUTED? No, Yes, Neat Cement, Bentonite

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: SEWERLINE, 20 ft. SOUTH

14. PUMP: Not Installed, Pump Installation Only, Manufacturer's Name: RED JACKET, Model Number: RENEADE, HP: 1/2, Volts: 230

15. ABANDONED WELL PLUGGED? No, Yes, Casing Diameter, Depth, PLUGGING MATERIAL: Neat Cement, Bentonite Slurry, Concrete Grout, Bentonite Chips

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

17. DRILLING MACHINE OPERATOR: Employee, Subcontractor, Name: JIM DOWNING

18. WATER WELL CONTRACTOR'S CERTIFICATION: DOWNING WELL DRILLING, 1985 KNOLL RD., PORTLAND, MI.

DEQ MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION
WATER WELL AND PUMP RECORD

Completion is required under authority of Part 127 Act 368 PA 1978
Failure to comply is a misdemeanor

TAX NO:

PERMIT NO:

16364

1. LOCATION OF WELL

County

Ionia

Township Name

Boston

Fraction

ne 1/4 SW 1/4 SW 1/4

Section No.

36

Town No.

6n

Range No.

8w

Distance and Direction from Road Intersection

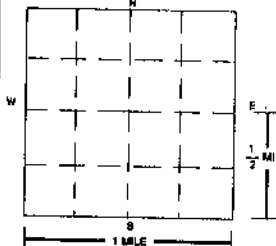
1/2 mile south of Goodmote on

Breezy Point

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



Breezy Point



Goodmote

3. OWNER OF WELL

David Schneider

Address

427 Breezy Point

Clarksville 48815

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

69 ft.

Date Completed

10/28/99

☐ 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: 1 ft

Diameter: 4 in. to 60 ft. depth

3 in. to 69 ft. depth

Weight: 10.79 lbs./ft.

BORE HOLE:

Diameter: in. to ft. depth

in. to ft. depth

☒ Drive Shoe

☐ Shale Packer

8. SCREEN:

☐ Not Installed

☐ Gravel-Packed

Type: Stainless

Diameter: 3"

Slot: 10

Length: 8'

Set Between: 61 ft. and 69 ft.

FITTINGS: ☒ K-Packer

☐ Bromer Check

☐ Blank Above Screen

1 ft. Other

9. STATIC WATER LEVEL:

25 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

60 ft. After 1 hrs. Pumping at 15 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 60 ft.

☐ Neat Cement

☒ Bentonite

☐ Other

No. of Bags: 2

Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: Central Sewer

60 ft. Direction: n

Type

Distance ft. Direction

14. PUMP: ☐ Not Installed

☐ Pump Installation Only

Manufacturer's Name: Grundfos

Model Number

HP: 3/4 Volts: 220

Length of Drop Pipe: 60 ft.

Capacity: 15 G.P.M.

TYPE: ☒ Submersible

☐ Jet

☐ Other

PRESSURE TANK:

Manufacturer's Name: Well Mate

Model Number: wm-9

Capacity: 9 Gallons: 9

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.

Heaton & Sons, Inc

0346

REGISTERED BUSINESS NAME

Address

3541 East Belding Rd.

REGISTRATION NO.

Belding 48809

Signed

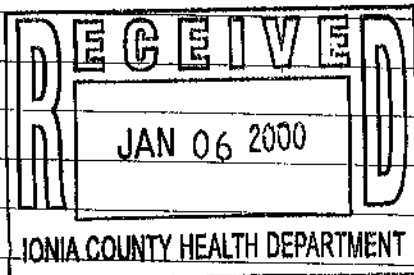
John E. Heaton

Date

AUTHORIZED REPRESENTATIVE

GEOLOGICAL SURVEY COPY

EQP 2017 (12/96)



JAN 12 2000

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☒ Yes ☐ No

Casing Diameter: 2 in.

Depth: 40 ft.

PLUGGING MATERIAL:

☐ Neat Cement

☐ Bentonite Slurry

☐ Cement/Bentonite Slurry

☐ Concrete Grout

☒ Bentonite Chips

No. of Bags: 2

Casing Removed?

☐ Yes ☒ No

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

17. DRILLING MACHINE OPERATOR:

☒ Employee

☐ Subcontractor

Name

Alan