

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL			3 OWNER OF WELL:														
County <u>CLIPPEWA</u>	Township Name <u>PICKFORD</u>	Fraction <u>SE 1/4 NE 1/4</u>	Section Number <u>14</u>	Town Number <u>44 N18</u>	Range Number <u>1 E4W</u>												
Distance And Direction From Road Intersection <u>1 MI WEST MI-129 ON TWENTY MI RD</u> <u>SOUTH ON RUE 1/4 MI WEST SIDE</u>			Address <u>GARY MACK</u> <u>53591 60TH ST</u> <u>HARTFORD MI 49057</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: (completed) <u>34</u> ft. Date of Completion <u>18-MAY-87</u>														
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><u>SAND</u></td> <td><u>10</u></td> <td><u>10</u></td> </tr> <tr> <td><u>CLAY</u></td> <td><u>15</u></td> <td><u>25</u></td> </tr> <tr> <td><u>SAND GRAVEL</u></td> <td><u>9</u></td> <td><u>34</u></td> </tr> </tbody> </table>			FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	<u>SAND</u>	<u>10</u>	<u>10</u>	<u>CLAY</u>	<u>15</u>	<u>25</u>	<u>SAND GRAVEL</u>	<u>9</u>	<u>34</u>	5 ☐ Cable tool ☐ Rotary ☒ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jetted		
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			<u>CLAY</u>	<u>15</u>	<u>25</u>												
<u>SAND GRAVEL</u>	<u>9</u>	<u>34</u>															
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 <u>2</u> ft. _____ in. to _____ ft. depth Weight <u>11</u> lbs./ft. _____ in. to _____ ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☒ Yes ☐ No																	
8 SCREEN: ☐ Not installed Type <u>STAINLESS STEEL</u> diameter <u>3</u> Slot/Groove <u>10</u> Length <u>3 FT</u> Set between <u>31</u> ft. and <u>34</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen <u>1</u> ft. Other _____																	
9 STATIC WATER LEVEL: <u>15</u> ft. below land surface ☐ Flow																	
10 PUMPING LEVEL: below land surface <u>30</u> ft. after <u>4</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 <u>NONE</u> Distance _____ ft. Direction _____ Well disinfected upon completion? ☐ 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. <u># 0990</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>ANDREWS WELL DRILLING</u> <u>1859</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>Box 41 BARBEAU MI</u> Signed <u>Clarence R Andrews</u> Date <u>8-JAN-88</u> AUTHORIZED REPRESENTATIVE														

D67d 2/84

FEB 2 1988

GEOLOGICAL SURVEY COPY

 Authority:
 Completion:
 Penalty:

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

D67d 12/85

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

Client ID 2595

TAX NO:		WATER WELL AND PUMP RECORD				PERMIT NO:	
1. LOCATION OF WELL		County: <u>Chippewa</u>		Township Name: <u>Pickford</u>		Range No: <u>1E</u>	
Distance and Direction from Road Intersection		Fraction: <u>NE 1/4</u>		Section No: <u>14</u>		Town No: <u>44N</u>	
Street Address & City of Well Location		3. OWNER OF WELL: <u>George Claus</u> Address: <u>2621 Vance Rd</u> <u>East Jordan MI 49727</u>					
Locate with 'x' in Section Below		Address Same as Well Location ☐ Yes ☒ No					
Sketch Map		4. WELL DEPTH: <u>86</u> ft. Date Completed: <u>6/6/94</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 Height: Above/Below Surface: <u>2</u> ft. Diameter: <u>5</u> in. to <u>29</u> ft. depth Weight: <u>50-2</u> lbs./ft. BORE HOLE: ☐ Drive Shoe ☐ Shale Packer Diameter: <u>8</u> in. to <u>25</u> ft. depth in. to ft. depth					
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		8. SCREEN: ☐ Not Installed ☒ Gravel-Packed Type: <u>3" 20 mesh</u> Diameter: <u>4"</u> Slot/Gauze: <u>12</u> Length: <u>8'</u> Set Between: <u>22</u> ft. and <u>85</u> ft. FITTINGS: ☒ K-Packer ☐ Bremer Check ☒ Blank Above Screen <u>6</u> ft. Other	
<u>Clay</u> <u>Sand</u>		<u>22</u> <u>8</u>		<u>22</u> <u>8</u>		9. STATIC WATER LEVEL: ft. Below Land Surface ☒ Flowing	
						10. PUMPING LEVEL: Below Land Surface <u>20</u> ft. After <u>2</u> hrs. Pumping at <u>10</u> G.P.M. ☐ Plunger ☐ Bailer ☐ Air ☐ Test Pump	
						11. WELL HEAD COMPLETION: ☒ Pitless Adapter <u>AWC5-1P</u> ☐ 12" Above Grade ☐ Basement Offset ☐ Well House	
						12. WELL GROUTED? ☐ No ☒ Yes From <u>5</u> to <u>70</u> ft. ☒ Neat Cement ☐ Bentonite ☐ Other No. of Bags <u>5</u> Additives	
						13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Type <u>NONE</u> Distance ft. Direction Type Distance ft. Direction	
USE A 2ND SHEET IF NEEDED						14. PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's Name <u>Goulds</u> Model Number <u>7EH</u> HP <u>1/2</u> Volts <u>220</u> Length of Drop Pipe <u>46</u> ft. Capacity <u>7</u> G.P.M. TYPE: ☒ Submersible ☐ Jet ☐ Other	
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						.PRESSURE TANK: Manufacturer's Name <u>Amrol</u> Model Number <u>202</u> Capacity <u>20</u> Gallons	
16. REMARKS: (Elevation, Source of Data, etc.)		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>LOUIE'S Well Drilling</u> REGISTERED BUSINESS NAME Address <u>PO Box 124 Rudyard MI 49780</u> Date <u>09/17</u> SIGNED <u>Louie Mangione</u> AUTHORIZED REPRESENTATIVE					
ID 17-009-064-002-50		17. DRILLING MACHINE OPERATOR: ☒ Employee ☐ Subcontractor Name <u>Robert Mangione</u>					

WATER WELL RECORD ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

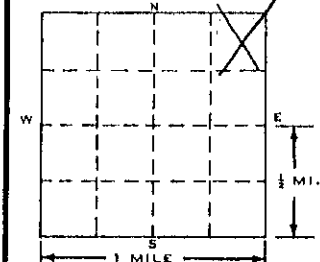
County Chippewa Township Name Pickford Fraction NE 1/4 NE 1/4 Section Number 14 Town Number 44 Range Number 1 E/W. W

Distance and Direction from Road Intersections

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Sand fine 60 60
Med Sand 12 72

3 OWNER OF WELL:

Address

Mike Saupic
117 Bluewater Dr.
Sec. 14

4 WELL DEPTH: (completed) Date of Completion

72 ft. 4-28-80

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
Diam. 4 in. to 70 ft. Depth Surface 2 ft.

Weight 11 lbs./ft. Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Johnson Dia.: 4 1/2
Slot/Gauze 10 Length 4 1/2
Set between 68 ft. and 72 ft.
Fittings: 1 rod packer + 3" tail

9 STATIC WATER LEVEL

12 ft. below land surface

10 PUMPING LEVEL below land surface

18 ft. after 2 hrs. pumping 6 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 _____

Model Number _____ HP _____ Volts _____

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.

12363

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.

Louis's Well Drilling 0917
REGISTERED BUSINESS NAME REGISTRATION NO.

Address Fibie, MI 49732

Signed Louis May Date 1-5-81
AUTHORIZED REPRESENTATIVE

AUG 26 1981

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY DIVISION

Permit No.

Owner No.

3

WATER WELL RECORD

Page

of

Sample No.

W-1300

County

Chippewa

Twp.

Pickford

4 SW 4 SW 4 Sec. 14

Town

44N N/S.

Range

1E

E/W.

Distance from Roads, Section Lines, etc.

Formerly Munuscong State Park (presently abandoned).

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Owner:
Drift	210	210	Michigan Dept. of Conservation
(mostly pink clay, gravel, sand and boulders)			Address: Munuscong State Park
			Driller and Address:
			Well Depth: 332½ ft. Date of Completion 1935
			☐ Cable tool ☐ Rotary ☐ Dug ☐ R.C. ☐ Driven ☐ Jetted ☐ Bored
Collingwood shale (and sand cavings)	30	240	Use: ☐ Domestic ☒ Public Supply ☐ Industry
			☐ Irrigation ☐ Air Conditioning ☐ Dewatering
			☐ Test Well ☐ _____
Trenton Dolomite and limestone	92½	332½	Casing: Diam. 6 in. to _____ ft. Depth
(+ sand from cavings and fractures)			Height: Above/Below surface _____ ft.
			Type-Weight _____
			Screen: _____
			Type: _____ Dia: _____
			Slot/Gauze _____ Length _____
			Set between _____ ft. and _____ ft.
			Accessories: _____
			Water level: _____ ft. above/below _____
			_____ ft. above/below _____
			Meas. by _____ Date _____
			Drawdown: _____ ft. after _____ hrs. pumping _____ g.p.m.
			_____ ft. after _____ hrs. pumping _____ g.p.m.
			Meas. by _____ Date _____
			Flow: _____ g.p.m./g.p.h. Temp: _____ °F
			Water Quality In Parts Per Million:
			Iron (Fe) _____ Chlorides (Cl) _____
			Hardness _____
			Elevation: 590± ft. above sea
			Source of data: _____
			Samples and correspondence
			Record by: Brackenbury
			Date: 12-3-82
Remarks:	NOTE: Previous log called it Trenton and Hermansville. I don't agree--too much cavings. DR Brackenbury		

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County

Twp.

Fraction

Section No.

Town

Range

E/M

Distance And Direction from Road Intersections

OWNER No.

3 OWNER OF WELL:

Address

Street address & City of Well Location

2 FORMATION

THICKNESS
OF
STRATUM

DEPTH TO
BOTTOM OF
STRATUM

4 WELL DEPTH: (completed)

Date of Completion

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

7 CASING:

Diam.

Threaded ☐ Welded ☐

4 in. to

14 ft. Depth

Height: Above/Below

surface

Weight

Drive Shoe? Yes

8 SCREEN:

Type: Unscreened Dia.: 4"

Slot/Gauge: 12 Length: 4'

Set between 14 ft. and 115 ft.

Fittings: 1 pipe + 1 seal

9 STATIC WATER LEVEL

2 ft. below land surface

10 PUMPING LEVEL below land surface

2 ft. after 10 hrs. pumping 30 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 _____

Model Number _____ HP

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:

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

Louis's well
REGISTERED BUSINESS NAME

0917
REGISTRATION NO.

Address 1000 Michigan

Signed Louis's well Date July 1965

AUTHORIZED REPRESENTATIVE