

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH  
WATER WELL AND PUMP RECORD

PERMIT NO:

## 1. LOCATION OF WELL

County Osceola Township Name Evart Fraction SW 1/4 SW 1/4 SW 1/4 Section No. 11 Town No. 17N Range No. 8W

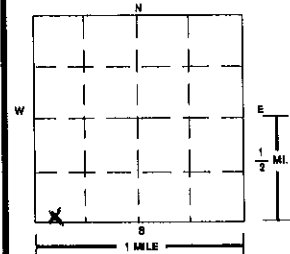
Distance and Direction from Road Intersection

About .1 mile East of 80th Avenue  
and about 62 yds. North of 4 Mile Road

Street Address &amp; City of Well Location

Locate with 'x' in Section Below

Sketch Map



## 2. FORMATION DESCRIPTION

THICKNESS  
OF  
STRATUMDEPTH TO  
BOTTOM OF  
STRATUM

Red Clay	16	16
Sand & Red Clay Chips	3	19
Red Clay	8	27
Blue Clay	1 1/2	28 1/2
Rock	1/2	29
Sand - Coarse & Yellow	9	38
Sand - Coarse & Gray	2	40
Sand - Coarse & Light Colored	4	44

## 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 Frederick J. Pekrul

## 3. OWNER OF WELL

Address Joe Parsons  
7920 4 Mile Road  
Evart, MI 49631

Address Same as Well Location  Yes  No

## 4. WELL DEPTH:

44 ft.

Date Completed

6/21/96

 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

Height: Above/Below

 Plastic WeldedSurface: 1 ft OtherDiameter: 4 in. to 40 ft. depthWeight: 11 lbs./ft.

\_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

BORE HOLE:

Diameter: \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

 Drive Shoe

\_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

 Shale Packer8. SCREEN:  Not Installed Gravel-PackedType WescoDiameter 4"Slot 12Length: 4 ft.Set Between 40 ft. and 44 ft.FITTINGS:  K-Packer Bremer Check Blank Above Screen 1/2 ft. Other \_\_\_\_\_

## 9. STATIC WATER LEVEL:

29 1/2 ft. Below Land Surface Flowing

## 10. PUMPING LEVEL: Below Land Surface

40 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  YesFrom 0 to 30 ft. Neat Cement Bentonite Other \_\_\_\_\_No. of Bags 1

Additives \_\_\_\_\_

## 13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type Septic Distance 60 ft. Direction N

Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_

14. PUMP:  Not Installed Pump Installation OnlyManufacturer's Name Flint & WallingModel Number 4F10A05-301 HP 1/2 Volts 230Length of Drop Pipe 29 ft. Capacity 10 G.P.M.TYPE:  Submersible Jet Other \_\_\_\_\_

PRESSURE TANK:

Manufacturer's Name Well ExtrolModel Number WX 250 Capacity 44 Gallons 13.6

## 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 Pekrul Well DrillingREGISTRATION NO. 67-1297Address 19985 Hoover Rd., Big Rapids, MI 49307Signed Frederick J. Pekrul Date 8-7-96

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:

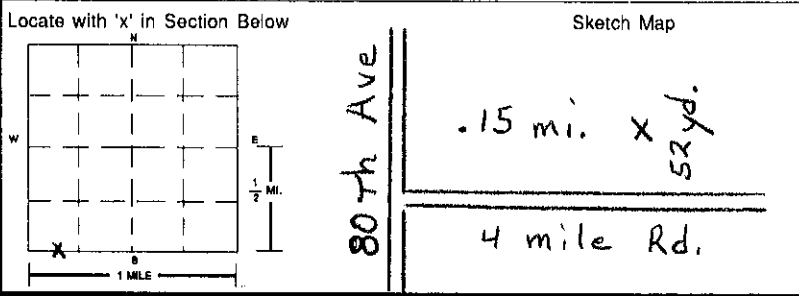
# MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL  
County Osceola

Township Name Evart Fraction SE 1/4 SW 1/4 SW 1/4 Section No. 11 Town No. 17N Range No. 8W

Distance and Direction from Road Intersection  
About .15 mile East of 80th Avenue and about 52 yds. North of 4 Mile Road



3. OWNER OF WELL  
Address George Parsons  
7850 4 Mile Road  
Evart, MI 49631  
Address Same as Well Location  Yes  No

4. WELL DEPTH: 43 ft. Date Completed 6/12/96  
 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: 1 ft.  
Diameter: 4 in. to 39 ft. depth  
Weight: 11 lbs./ft.  
BORE HOLE:  Drive Shoe  
Diameter: \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
 Shale Packer

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>Red Clay</u>	<u>19</u>	<u>19</u>
<u>Sand</u>	<u>1</u>	<u>20</u>
<u>Blue Clay &amp; Blue Clay w/Sand</u>	<u>7</u>	<u>27</u>
<u>Sand</u>	<u>3</u>	<u>30</u>
<u>Sand &amp; Blue Clay Chips</u>	<u>6</u>	<u>36</u>
<u>Sand - Coarse &amp; Yellow</u>	<u>3</u>	<u>39</u>
<u>Sand - Medium &amp; Fine</u> <u>(Lighter Colored)</u>	<u>4</u>	<u>43</u>

8. SCREEN:  Not Installed  Gravel-Packed  
Type Wesco Diameter 4"  
Slot/Gauze 10 Length: 4 ft.  
Set Between 39 ft. and 43 ft.  
FITTINGS:  K-Packer  Bremer Check  
 Blank Above Screen 1/2 ft. Other \_\_\_\_\_

9. STATIC WATER LEVEL:  
29 ft. Below Land Surface  Flowing

10. PUMPING LEVEL: Below Land Surface  
39 ft. After 1 hrs. Pumping at 30 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 30 ft.  
 Neat Cement  Bentonite  Other \_\_\_\_\_  
No. of Bags 1 Additives \_\_\_\_\_

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:  
Type Septic Distance 60 ft. Direction NE  
Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_

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

14. PUMP:  Not Installed  Pump Installation Only  
Manufacturer's Name Flint & Walling  
Model Number 4F10A05-301 HP 1/2 Volts 230  
Length of Drop Pipe 28 ft. Capacity 10 G.P.M.  
TYPE:  Submersible  Jet  Other \_\_\_\_\_  
PRESSURE TANK:  
Manufacturer's Name Well Extrol  
Model Number WX 250 Capacity 44 Gallons 13.6

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

17. DRILLING MACHINE OPERATOR:  
 Employee  Subcontractor  
Name Frederick J. Pekrul

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.  
Pekrul Well Drilling 67-1297  
REGISTERED BUSINESS NAME REGISTRATION NO.  
Address 19985 Hoover Rd., Big Rapids, MI 49307  
Signed Frederick J. Pekrul Date 8-7-96  
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

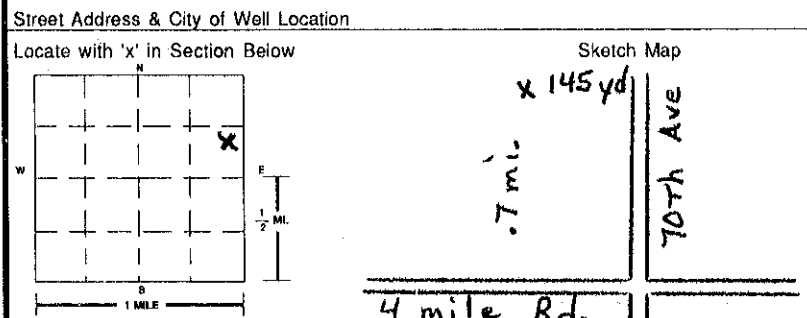
TAX NO:  
**67-03-011-003-00**

PERMIT NO:  
**97-10-0372**

1. LOCATION OF WELL  
County **Osceola**

Township Name **Evart** Fraction **NE 1/4 SE 1/4 NE 1/4** Section No. **11** Town No. **17N** Range No. **8W**

Distance and Direction from Road Intersection  
**About .7 mile North of 4 Mile Road and about 145 yds. West of 70th Avenue**



3. OWNER OF WELL  
Address **Rick Horton**  
**4731 70th Avenue**  
**Evart, MI 49631**  
Address Same as Well Location  Yes  No

4. WELL DEPTH: **113** ft. Date Completed **12/15/97**  
 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  Plastic  Welded  Other  
Height: Above/Below Surface: **1** ft.  
Diameter: **4** in. to **109** ft. depth  
BORE HOLE:  Drive Shoe  Shale Packer  
Diameter: \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

8. SCREEN:  Not Installed  Gravel-Packed  
Type **Wesco** Diameter **4"**  
Slot/Gauge **12** Length: **4 ft.**  
Set Between **109** ft. and **113** ft.  
FITTINGS:  K-Packer  Bremer Check  
 Blank Above Screen **1/2** ft. Other \_\_\_\_\_

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

10. PUMPING LEVEL: Below Land Surface  
**109** 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 **80** ft.  
 Neat Cement  Bentonite  Other \_\_\_\_\_  
No. of Bags **5 1/2** Additives \_\_\_\_\_

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:  
Type **Septic** Distance **70** ft. Direction **SW**  
Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_

14. PUMP:  Not Installed  Pump Installation Only  
Manufacturer's Name **Flint & Walling**  
Model Number **4F10A07-301** HP **3/4** Volts **230**  
Length of Drop Pipe **100** ft. Capacity **10** G.P.M.  
TYPE:  Submersible  Jet  Other \_\_\_\_\_  
PRESSURE TANK:  
Manufacturer's Name **Well Extrol**  
Model Number **WX 250** Capacity **44** Gallons **12**

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Sand - Coarse	24	24
Sand - Fine to Powder	38	62
Red Clay	1	63
Sand	2	65
Red & Blue Clay Mix	2	67
Sand	1	68
Red Clay	4	72
Blue Clay	28	100
Sand - Coarse & Blue Clay Chips	8	108
Sand - Coarse w/ few clay chips	5	113
Sand - Medium to Fine	8	121
Blue Clay (Starts again)		

15. ABANDONED WELL PLUGGED?  Yes  No  
Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
PLUGGING MATERIAL:  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 **Frederick Pekrul**

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.  
**Pekrul Well Drilling** **67-1297**  
REGISTERED BUSINESS NAME REGISTRATION NO.  
Address **19985 Hoover Rd., Big Rapids, MI 49307**  
Signed **Frederick J. Pekrul** Date **12-26-97**  
AUTHORIZED REPRESENTATIVE

RECEIVED  
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
JAN 07 1998  
Geological Protection Division  
Drinking Water & Radiological Protection Section  
Geological Survey Section  
WELL CONSTRUCTION UNIT

