

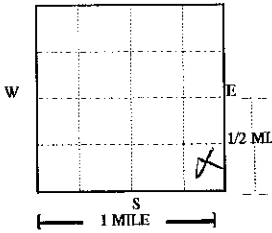
1 location of well County OAKLAND Township Name SPRINGFIELD Fraction NW 1/4 SW 1/4 SW 1/4 Section Number 30 Town Number 4N N/S Range Number 8E E/W

Distance And Direction From Road Intersection
EAST OF ORMOND, ON NORTH SIDE OF SHAFFER RD.

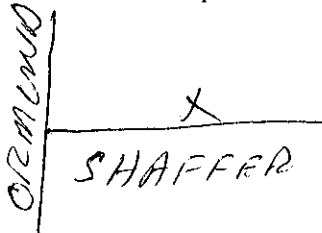
Street Address and City of Well Location

3. Owner of Well KAVEVALA INC.
Address 13060 SHAFFER RD.
DAVISBURG, MI. 48350
Address same as location? Yes No

Locate with "X" in Section Below



Sketch Map



4. WELL DEPTH 105 ft. Date of Completion New Well Replacement Well
MO 8 DAY 3 YEAR 99

5. Cable tool Rotary Driven Dug
 Hollow rod Auger Jetted

6. USE Domestic Type 1 Public Type 111 Public
 Irrigation Type 11a Public Heat Pump
 Test Well Type 11b Public

7. CASING Steel Threaded Height Above Below
 Plastic Welded Surface 1 ft.
Diameter 5 in. to 93 ft. depth Weight SDR lbs./ft.
BORE HOLE Drive Shoe
Diameter 8 3/4 in. to 106 ft. depth Shale Packer
in. to ft. depth

8. Screen Not Installed Gravel Packed
Type: SLOTTED Diameter: 5
Slot/Gauze: 10 Length: 10
Set Between: 93 ft. and: 103 ft.
Fittings: k-packer Bremer Check
 Blank above screen ft. other:

9. Static water level 50 ft. below land surface Flowing

10. PUMPING LEVEL; Below Land Surface
103 ft. after 1 HR hrs. pumping at 30 G.P.M.
 Plunger Bailer Air Test Pump

11. WELL HEAD Pitless adaptor 12" above grade
 Basement offset Well House

12. WELL GROUTED No Yes From 0 ft. To 93 ft.
 Neat Cement Bentonite Other
No. of bags 10 Additives: EZ MUD

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION
Type FUEL OIL Distance 100 ft. Direction N/E
Type SEPTIC Distance 150 ft. Direction EAST

14. PUMP Not installed Pump Installation Only?
Manufacturer's Name FAIRBANKS MORSE
Model Number: 10B10212 HP 1 Volts 230
Length of Drop Pipe 80 ft. Capacity: 12 G.P.M.
Type Submersible Jet:
PRESSURE TANK
Manufactures name A,O,SMITH
Model number V100 Capacity 31 Gallons 10

2 FORMATION DESCRIPTION

FORMATION DESCRIPTION	Thickness of Stratum	Depth to Bottom of Stratum
GRAVEL	50	50
GRAY GRAVEL	35	85
GRAY SAND	20	105
CLAY	1	106
T.D.		106

REGISTERED BUSINESS NAME
MICHIGAN DEPARTMENT OF PUBLIC HEALTH
QUALITY

SEP 28 1999

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED? Yes No
Casing Diameter 5 in. Depth 57 ft.
PLUGGING MATERIAL Neat Cement Bentonite Slurry
 Cement/Bentonite Slurry Concrete Grout Bentonite Chips
No. of Bags 11 Casing Removed? Yes No

16. REMARKS (Elevation, Source of Data, ETC.)
OLD WELL WAS ORDERED ABANDONED AND MOVED BECAUSE IT WAS INSTALLED WITHIN 30 FT. OF FUEL OIL TANK, AND 30 FT OF SEPTIC SYSTEM

17. DRILLING MACHINE OPERATOR
 Employee Subcontractor
Name ED BIRKMEIER

IMPORTANT; File with deed.

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.

MIKE LALONE INC.

63-0817

REGISTERED BUSINESS NAME

REGISTRATION NO.

ADDRESS 11000 DAVISBURG RD. DAVISBURG

SIGNED [Signature]

Date 8/15/99

AUTHORITY; PENALTY; COMPLETION; 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

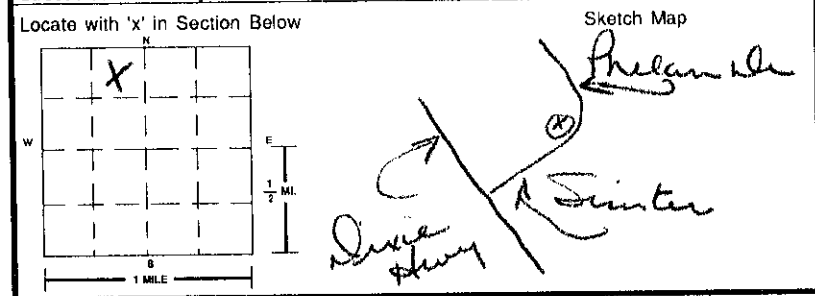
TAX NO:

PERMIT NO:

1. LOCATION OF WELL
 County Oakland Township Name Independence Fraction NE 1/4 NE 1/4 Section No. 30 Town No. 4W Range No. 9E

Distance and Direction from Road Intersection
Corner of Chelan + Simler
 Street Address & City of Well Location 6415 Simler

3. OWNER OF WELL
 Address Mr. Robert Stawarz
6415 Simler
Clearston
 Address Same as Well Location Yes No



4. WELL DEPTH: 47 ft. Date Completed 7/13/98
 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: 5" in. to 37 ft. depth
 BORE HOLE: 8 1/2 in. to 47 ft. depth
 Height: Above/Below Surface: 1 ft
 Weight: 500 lbs/ft.
 Drive Shoe Shale Packer

2. FORMATION DESCRIPTION

FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>Brown Clay (Stone)</u>	<u>6'</u>	<u>6'</u>
<u>Light Blue Clay</u>	<u>18'</u>	<u>24'</u>
<u>Blue Clay, Sand & Gravel</u>	<u>7'</u>	<u>31'</u>
<u>(Grey, Black) Sand & Gravel</u>	<u>16'</u>	<u>47'</u>

8. SCREEN: Not Installed Gravel-Packed
Wire Wrapped Pipe Diameter 4"
 Slot/Gauze 18 Length: 10'
 Set Between 37 ft. and 47 ft.
 FITTINGS: R-Packer Bremer Check
 Blank Above Screen 2 ft. Other

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

10. PUMPING LEVEL: Below Land Surface
20 ft. After 1/2 hrs. Pumping at 3:00 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 30 to 0 ft.
 Neat Cement Bentonite Other
 No. of Bags 4 Additives EZ Mud.

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
 Type Septic Distance 75 ft. Direction W.
 Type _____ Distance _____ ft. Direction _____

14. PUMP: Not Installed Pump Installation Only
 Manufacturer's Name Atwood
 Model Number 185510 HP 1 Volts 230
 Length of Drop Pipe 20 ft. Capacity 18 G.P.M.
 TYPE: Submersible Jet Other
 PRESSURE TANK:
 Manufacturer's Name Aqua Air
 Model Number U 200 Capacity 65 Gallons 20

15. ABANDONED WELL PLUGGED? Yes No
 Casing Diameter 2" in. Depth 35 ft.
 PLUGGING MATERIAL: Neat Cement Bentonite Slurry
 Cement/Bentonite Slurry Concrete Grout Bentonite Chips
 No. of Bags 1 Casing Removed? Yes No

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

17. DRILLING MACHINE OPERATOR:
 Employee Subcontractor
 Name Rich Ward

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.
J. Ward & Son Inc. REGISTRATION NO. 0058
 Address 6458 E. Washington, Clearston
 Signed R. Ward Date 7/13/98
 AUTHORIZED REPRESENTATIVE

RECEIVED
 AUG 11 98
 MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
 GROUND WATER SUPPLY SEC.

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:

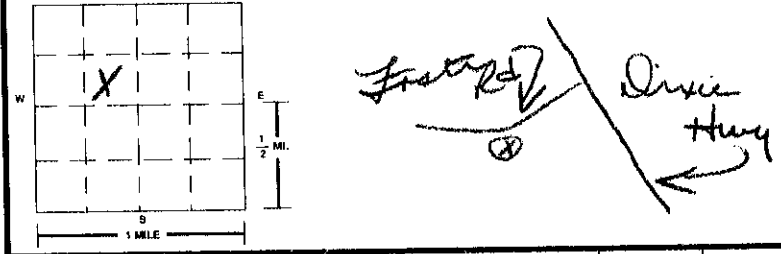
TAX NO:

1. LOCATION OF WELL

County Oakland Township Name Independence Fraction SW 1/4 SE 1/4 NW Section No. 30 Town No. 4W Range No. 9E

Distance and Direction from Road Intersection
300 yds. S/W of Dixie Hwy on Foster Rd.

Street Address & City of Well Location
7783 Foster Rd. Clarkston



3. OWNER OF WELL
 Address Shadia Mattini
31725 Branchliffe
Franklin 48025
 Address Same as Well Location Yes No

4. WELL DEPTH: 220 ft. Date Completed 7/17/98
 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: 5 in. to 206 depth
 BORE HOLE: 8 1/2 in. to 220 depth
 Height: Above/Below Surface: 1 ft
 Weight: SDR 25 lb/ft.
 Drive Shoe Shale Packer

8. SCREEN: Not Installed Gravel-Packed
Wire Wrapped 4"
 Slot/Gauze #10 Length: 16'
 Set Between 204 ft. and 220 ft.
 FITTINGS: K-Packer Bremer Check
 Blank Above Screen 2 ft. Other

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

10. PUMPING LEVEL: Below Land Surface
120 ft. After 1/2 hrs. Pumping at 25 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 194 to 0 ft.
 Neat Cement Bentonite Other
 No. of Bags 18 Additives 82 Mud.

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:
 Type Septic Distance 50 ft. Direction S/W
 Type _____ Distance _____ ft. Direction _____

14. PUMP: Not Installed Pump Installation Only
 Manufacturer's Name Amred.
 Model Number 105010 HP 1 Volts 230
 Length of Drop Pipe 120 ft. Capacity 10 G.P.M.
 TYPE: Submersible Jet Other
 PRESSURE TANK:
 Manufacturer's Name Aqua Air
 Model Number V100 Capacity 31.8 Gallons 10

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>Brown Sand & Gravel.</u>	<u>4'</u>	<u>4'</u>
<u>Brown Clay & Gravel.</u>	<u>6'</u>	<u>10'</u>
<u>(Medium, Heavy) Gravel</u>	<u>20'</u>	<u>30'</u>
<u>Blue Clay Sand & Gravel</u>	<u>31'</u>	<u>61'</u>
<u>Brown Clay (Soft)</u>	<u>13'</u>	<u>74'</u>
<u>Fine Brown Sand (#5 Str)</u>	<u>53'</u>	<u>127'</u>
<u>Fine Gray #5 Str Sand.</u>	<u>31'</u>	<u>158'</u>
<u>Blue Clay</u>	<u>6'</u>	<u>164'</u>
<u>(Grey, Blue) Sand.</u>	<u>56'</u>	<u>220'</u>

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 J. Ward

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.
J. Ward & Son Inc.
 REGISTERED BUSINESS NAME 0058 REGISTRATION NO.
 Address 6458 E. Washington, Clarkston
 Signed J. Ward, Inc. Date 7/17/98
 AUTHORIZED REPRESENTATIVE

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County

Oakland

Township Name

Springfield

Fraction

SW 1/4 SE 1/4 SE 1/4

Section No.

30

Town No.

4

Range No.

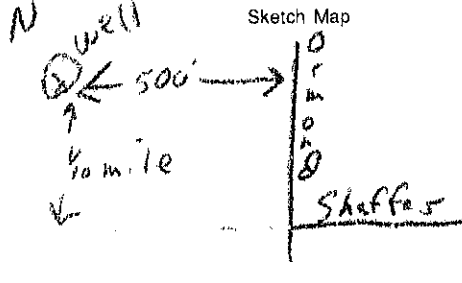
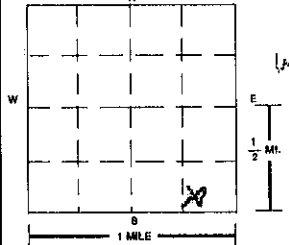
8

Distance and Direction from Road Intersection

1/2 mile N of Shaffer
500' W. of Diamond

Street Address & City of Well Location

Locate with 'x' in Section Below



3. OWNER OF WELL

Address

Jeff Pryjomski
5949 Ormond

Address Same as Well Location Yes No

4. WELL DEPTH:

120 ft.

Date Completed

8/29/97

New Well

Replacement Well

5. Cable Tool

Hollow Rod

Rotary

Auger/Bored

Driven

Jetted

Dug

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: 2 ft

Plastic

Welded

Other

Diameter: 5 in. to 11/2 ft. depth

in. to ft. depth

Weight: 500 lbs./ft.

BORE HOLE:

Diameter: 8 1/2 in. to 11/2 ft. depth

in. to ft. depth

Drive Shoe

Shale Packer

8. SCREEN:

Not Installed

Gravel-Packed

Type: 5 Steel

Diameter: 3 1/2

Slot/Gauze: 7

Length: 8

Set Between: 11/2 ft. and 120 ft.

FITTINGS:

K-Packer

Bremer Check

Blank Above Screen

ft. Other

9. STATIC WATER LEVEL:

30 ft. Below Land Surface

Flowing

10. PUMPING LEVEL: Below Land Surface

100 ft. After 1 hrs. Pumping at

50+ G.P.M.

Plunger

Bailer

Air

Test Pump

11. WELL HEAD COMPLETION:

Fitness Adapter

12" Above Grade

Basement Offset

Well House

12. WELL GROUTED?

No

Yes

From 110 to 0 ft.

Neat Cement

Bentonite

Other

No. of Bags: 8

Additives: E-2-MUD

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type: S tank

Distance: 70 ft.

Direction: W

Type: _____

Distance: _____ ft.

Direction: _____

14. PUMP:

Not Installed

Pump Installation Only

Manufacturer's Name: Red Jacket

Model Number: R-75

HP: 3/4

Volts: 230

Length of Drop Pipe: 60 ft.

Capacity: 18 G.P.M.

TYPE: Submersible

Jet

Other

PRESSURE TANK:

Manufacturer's Name: A.O Smith

Model Number: V-100

Capacity: 35 Gallons

40

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM

DEPTH TO BOTTOM OF STRATUM

sand	20	20'
sand & clay	63	83'
clay	20	103'
clay & gravel	6	109'
water sand	11	120'

Note: This well was properly grouted from 110'-0". McPherson Well Drilling Inc. is not responsible for any grout settling, saturation or improper grout probing.

RECEIVED
MICH DEPT OF ENVIRONMENTAL QUALITY
DEC 18 1997
Michigan Department of Environmental Quality
Ground Water & Biological Protection Division
Ground Water Supply Section
WELL CONSTRUCTION UNIT

15. ABANDONED WELL REGISTERED?

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: Relp Richman

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.

McPherson Well Drilling Inc 1701
REGISTERED BUSINESS NAME REGISTRATION NO.

Address: 10000 McPherson Dr

Signed: [Signature] Date: 8/30/97

AUTHORIZED REPRESENTATIVE

TAX NO: 07-30-401-014

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY WATER WELL AND PUMP RECORD

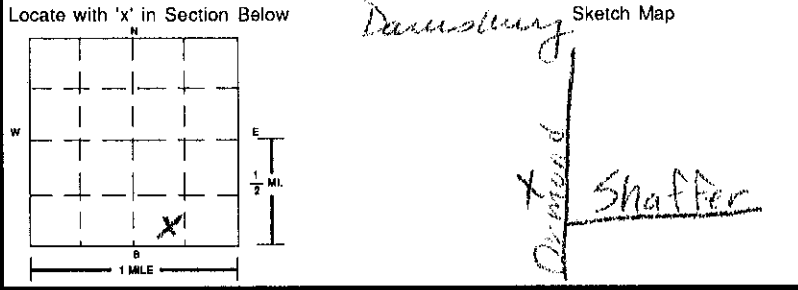
PERMIT NO:

1. LOCATION OF WELL County Oakland

Township Name Springfield Fraction SE 1/4 SW 1/4 SE 1/4 Section No. 30 Town No. 4 N Range No. 8 E

Distance and Direction from Road Intersection N. of Shaffer Rd on West side of Diamond Street Address & City of Well Location 5525 Diamond Rd Danversburg

3. OWNER OF WELL Address Ray Russell 5525 Diamond Rd. DANVERSBURG, MI 48350 Address Same as Well Location Yes No



4. WELL DEPTH: 59 ft. Date Completed 11/4/97 New Well Replacement Well

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

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

7. CASING: Plastic Steel Threaded Welded Other Height: Above/Below Surface: 1 ft

Diameter: 8 1/2 in. to 55 ft. depth Weight: 3 lbs./ft.

BORE HOLE: Diameter: 8 1/2 in. to 55 ft. depth Drive Shoe Shale Packer

8. SCREEN: Not Installed Gravel-Packed Type 2.5 Diameter 4" Slot/Gauze 10 Length: 4' Set Between 55 ft. and 59 ft. FITTINGS: 4K-Packer Bremer Check Blank Above Screen Other

9. STATIC WATER LEVEL: 18 ft. Below Land Surface Flowing

10. PUMPING LEVEL: Below Land Surface 35 ft. After 1 hrs. Pumping at 15 G.P.M. Plunger Bailer Air Test Pump

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

12. WELL GROUTED? No Neat Cement No. of Bags 5 Yes Bentonite From 45 to Top ft. Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION: Type Septic Distance 65 ft. Direction W

14. PUMP: Not Installed Pump Installation Only Manufacturer's Name BOULDS Model Number 0551310442 HP 1/2 Volts 230 Length of Drop Pipe 41 ft. Capacity 10 G.P.M. TYPE: Submersible Jet Other PRESSURE TANK: not installed Manufacturer's Name Capacity Gallons

Table with 2 columns: FORMATION DESCRIPTION, THICKNESS OF STRATUM, DEPTH TO BOTTOM OF STRATUM. Rows include: Ben. Sand (21), Ben. Clay (32), Blue Clay (45), Blue Clay & Gravel (54), Gray W. Sand & Gravel (59).

15. ABANDONED WELL PLUGGED? Yes No Casing Diameter 8 in. Depth 54 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: OWNER Employee Subcontractor Name James Zelony

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. Zelony Well Drilling Inc 1879 REGISTERED BUSINESS NAME Address 4794 N. Duck Lake Highland, MI Signed James Zelony Date 11/7/97 AUTHORIZED REPRESENTATIVE

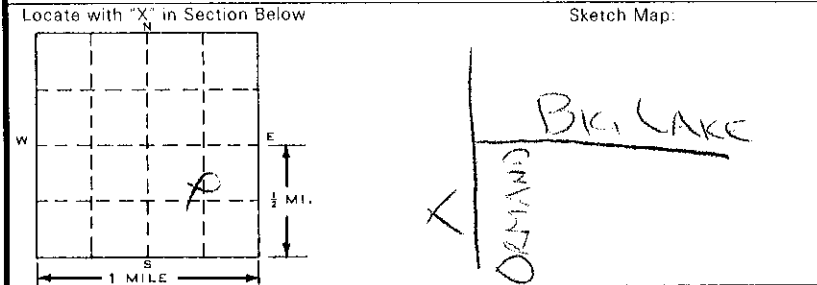
MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL				
County Oakland	Township Name Springfield	Fraction SE 1/4 NW 1/4 SE 1/4	Section Number 30	Town Number 4 N/S
Range Number 8 E/W				

Distance And Direction From Road Intersection
South of Big Lake on the west side of Ormand Road

Street Address & City of Well Location
5725 Ormand



3 OWNER OF WELL:
Larry Quirk
 Address **2768 N. Lake Road Waterford MI**

Address Same As Well Location? Yes No

2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Clay	20	20
Yellow Gravel	45	65
Gray Clay	40	105
Gray Gravel & Sand	5	110
Coarse Sand	8	118
Med Sand	2	120

4 WELL DEPTH: Date Completed **11 23 93** New Well
 Replacement Well

120 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 Welded
 Plastic

Height: Above/Below Surface **1** ft.
 Weight _____ lbs./ft.
 Grouted Drill Hole Diameter **8 1/2** in. to **120** ft. depth
 Drive Shoe Yes No

8 SCREEN: Not Installed
 Type **Wrapped** Diameter **5"**
 Slot/Gauze **12'** Length **10'**
 Set between **110** ft. and **120** ft.
 FITTINGS: K-Packer Lead Packer Bremer Check
 Blank above screen _____ ft. Other _____

9 STATIC WATER LEVEL:
30 ft. below land surface Flow

10 PUMPING LEVEL: below land surface
Air 120 ft. after **1** hrs. pumping at **50+** G.P.M.
 _____ ft. after _____ hrs. pumping at _____ G.P.M.

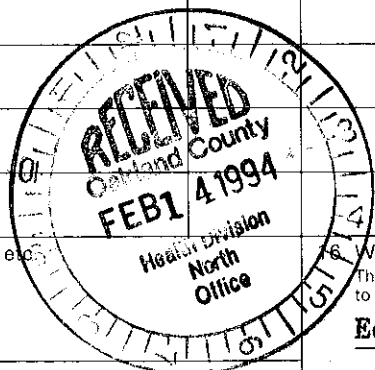
11 WELL HEAD COMPLETION: Pitless adapter 12" above grade
 Basement offset Approved pit

12 WELL GROUTED? No Yes From **100** to **0** ft.
 Neat cement Bentonite Other **Benseal**
 No. of bags of cement _____ Additives _____

13 Nearest source of possible contamination
 Type **Septic** Distance **75** 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 _____
 Model number _____ Volts _____
 Length of Drop Pipe _____ ft. Capacity _____ G.P.M.
 TYPE: Submersible Jet
 PRESSURE TANK
 Manufacturer's name _____
 Model number _____ Capacity _____ Gallons

RECEIVED
 MICH. DEPT. OF PUBLIC HEALTH
 FEB 18 94
 BUREAU OF ENVIRONMENTAL
 AND OCCUPATIONAL HEALTH



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

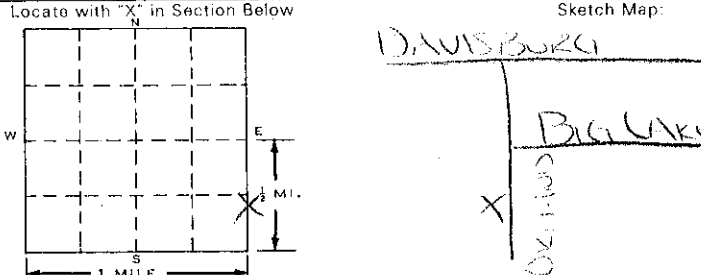
17. Rig Operator's Name:
Scott Griffin

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.
Ed Birkmeier Well Drilling Ltd. 1607
 REGISTERED BUSINESS NAME REGISTRATION NO.
 Address **10655 Easton Rd New Lothrop MI 48460**
 Signed _____ Date **11-23-93**
 AUTHORIZED REPRESENTATIVE

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 Oakland	Township Name Springfield	Fraction NE 1/4 SE 1/4 SE 1/4	Section Number 30																		
		Town Number 4 N/S	Range Number 8 E/W																		
Distance And Direction From Road Intersection 1/4 mile south of Big Lake on the west side of Ormand		Tri Built Homes Address _____ Address Same As Well Location? <input type="checkbox"/> Yes <input type="checkbox"/> No																			
Street Address & City of Well Location 5745 Ormand Road		4 WELL DEPTH: Date Completed MO DAY YEAR <input checked="" type="checkbox"/> New Well 122 FT. 6 3 92 <input type="checkbox"/> Replacement Well																			
Locate with "X" in Section Below Sketch Map: 		5 <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Auger <input type="checkbox"/> Jetted <input type="checkbox"/> _____																			
2 FORMATION DESCRIPTION <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">FORMATION DESCRIPTION</th> <th style="width: 15%;">THICKNESS OF STRATUM</th> <th style="width: 15%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> </thead> <tbody> <tr> <td>Coarse Yellow Gravel</td> <td style="text-align: center;">25</td> <td style="text-align: center;">25</td> </tr> <tr> <td>Yellow Clay</td> <td style="text-align: center;">12</td> <td style="text-align: center;">37</td> </tr> <tr> <td>Gray Clay</td> <td style="text-align: center;">63</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Gray Sand</td> <td style="text-align: center;">23</td> <td style="text-align: center;">123</td> </tr> <tr> <td>Gray Clay</td> <td style="text-align: center;">2</td> <td style="text-align: center;">125</td> </tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Coarse Yellow Gravel	25	25	Yellow Clay	12	37	Gray Clay	63	100	Gray Sand	23	123	Gray Clay	2	125	6 USE: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Type I Public <input type="checkbox"/> Type III Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Type IIa Public <input type="checkbox"/> Heat pump <input type="checkbox"/> Test Well <input type="checkbox"/> Type IIb Public <input type="checkbox"/> _____	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																	
		Coarse Yellow Gravel	25	25																	
		Yellow Clay	12	37																	
		Gray Clay	63	100																	
Gray Sand	23	123																			
Gray Clay	2	125																			
		7 CASING: Diameter <input type="checkbox"/> Steel <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Welded Height: Above/Below Surface 1 ft. Weight _____ lbs./ft. Drive Shoe <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																			
		8 SCREEN: PVC <input type="checkbox"/> Not Installed Type Wrapped Diameter 5" Slot/Gauze 10 Length 12' Set between 110 ft. and 122 ft. FITTINGS: <input type="checkbox"/> K-Packer <input type="checkbox"/> Lead Packer <input type="checkbox"/> Bremer Check <input type="checkbox"/> Blank above screen _____ ft. Other _____																			
		9 STATIC WATER LEVEL: 30 ft. below land surface <input type="checkbox"/> Flow																			
		10 PUMPING LEVEL: below land surface Air 120 after 1/2 hrs. pumping at 50+ G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.																			
		11 WELL HEAD COMPLETION: <input checked="" type="checkbox"/> Pitless adapter <input type="checkbox"/> 12" above grade <input type="checkbox"/> Basement offset <input type="checkbox"/> Approved pit																			
		12 WELL GROUTED? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes From 100 to 0 ft. <input type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Other _____ No. of bags of cement _____ Additives _____																			
		13 Nearest source of possible contamination Type Septic Distance 75 ft. Direction SE Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Was old well plugged? <input type="checkbox"/> Yes <input type="checkbox"/> No																			
		14 PUMP: <input type="checkbox"/> Not installed <input type="checkbox"/> Pump Installation Only Manufacturer's name Burks Model number 5SNB8B HP 1/2 Volts 220 Length of Drop Pipe 60 ft. capacity 10 G.P.M. TYPE: <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Jet PRESSURE TANK: Manufacturer's name Antrol Model number 203 Capacity 10 Gallons																			
15. Remarks, elevation, source of data, etc. <div style="text-align: center;"> RECEIVED Mich. Dept. of Public Health SEP 10 1992 BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH DIVISION SEP 3 1992 Health Division North Office </div>		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.																			
		Ed Birkmeier Well Drilling Ltd. 1607 REGISTERED BUSINESS NAME REGISTRATION NO. Address 655 Eastern Rd New Lothrop Mi 48460 Signed Edward Birkmeier 6-3-92 AUTHORIZED REPRESENTATIVE																			
17. Rig Operator's Name: Scott Griffin																					

Authority: Act 388 PA 1978
Completion: Required
Penalty: Conviction of a violation of any provision is a misdemeanor.



MAR 10 1981

WATER WELL RECORD
ACT 294 PA 1965

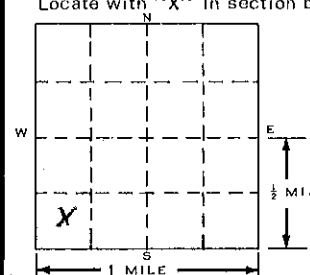
MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County <i>Oakland</i>	Township Name <i>Springfield</i>	Fraction <i>NW 500 SW 500</i>	Section Number <i>30</i>	Town Number <i>4 N/S</i>	Range Number <i>8 E/W</i>
--------------------------	-------------------------------------	----------------------------------	-----------------------------	-----------------------------	------------------------------

Distance And Direction from Road Intersections
Part of SE 1/4, Sec. 30, Springfield Twp.

Street address & City of Well Location
Tower Ridge.



Sketch Map:
Test. Well #

3 OWNER OF WELL:

Address
Kurtz Eng. 5852 W-18, Clarkston

4 WELL DEPTH: (completed) *55'* ft. Date of Completion *Nov. 1980*

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 *81* ft. Depth Weight _____ lbs./ft.
 _____ in. to _____ ft. Depth Drive Shoe? Yes No

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<i>Clay, Brown Sand & Gravel.</i>		
<i>Gravel.</i>		<i>8'</i>
<i>Sand & Gravel, Brown</i>	<i>4 1/2'</i>	<i>47'</i>
<i>#1 Sample</i>		
<i>35' to water</i>		
<i>Brown, Clay, Sand & Gravel.</i>		
<i>Gravel.</i>	<i>4'</i>	<i>51'</i>
<i>Gray, Sand & Gravel.</i>	<i>6'</i>	<i>57'</i>
<i>Clay, Blue, Sand & Gravel.</i>		
<i>Gravel.</i>	<i>14'</i>	<i>71'</i>
<i>Gray, Sand.</i>	<i>4'</i>	<i>75'</i>
<i>Gray, Sand & Gravel.</i>	<i>10'</i>	<i>85'</i>
<i>#2 Sample</i>		
<i>45' to water</i>		

8 SCREEN:

Type *Stainless Steel* *4"*
 Slot/Gauze *35* Length *1'*
 Set between *81* ft. and *85* ft.
 Fittings: *R Parker.*

9 STATIC WATER LEVEL
45' ft. below land surface

10 PUMPING LEVEL below land surface
Air ~~water~~ *1/2* hrs. pumping *45* 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 *Drillers Mud.*
 Depth: From _____ ft. to _____ ft.

14 Nearest Source of Pollution *Open Sags*
PRELIMINARY Plat. 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.

ADDED INFO BY DRILLER, ITEM NO. _____
 *CORRECTED BY _____
 **ADDITION BY _____
 ELEVATION _____
 DEPTH TO ROCK _____

ADDED INFO BY DRILLER, ITEM NO. _____
 *CORRECTED BY _____
 **ADDITION BY _____
 ELEVATION _____
 DEPTH TO ROCK _____

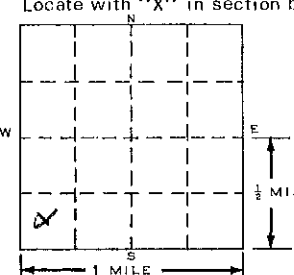
17 WATER WELL CONTRACTOR'S CERTIFICATION:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
D. Ward & Son, Inc. 0058
 REGISTERED BUSINESS NAME REGISTRATION NO.
 Address *6253 Cranlane, Clarkston*
 Signed *D. Ward, Pres. 11/80* Date
 AUTHORIZED REPRESENTATIVE

MAR 10 1981

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH



1 LOCATION OF WELL											
County <i>Oakland</i>	Township Name <i>Springfield</i>	Fraction <i>NW 30 SW 30</i>	Section Number <i>30</i>	Town Number <i>4 N/2</i>	Range Number <i>8 E/W</i>						
Distance And Direction from Road Intersections <i>Part of SE 1/4 Sec. 30 Springfield Twp.</i>						3 OWNER OF WELL: Address <i>Keith Eng. 5852 Mt-Rs, Clarkston</i>					
Street address & City of Well Location <i>Toliver Ridge</i>											
Locate with "X" in section below Sketch Map: 						4 WELL DEPTH: (completed) Date of Completion ft. <i>NW. 1980</i>					
						5 <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/>					
						6 USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Test Well <input type="checkbox"/>					
						7 CASING: Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Diam. <i>4"</i> Height: Above/Below Surface <i>1</i> ft. Weight <i>13</i> lbs./ft. Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
						8 SCREEN: Type <i>Stainless Steel</i> <i>4"</i> Slot/Gauze <i>18</i> Length <i>21</i> Set between <i>0</i> ft. and <i>0</i> ft. Fittings: <i>K Locker</i>					
2 FORMATION						9 STATIC WATER LEVEL _____ ft. below land surface					
		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		10 PUMPING LEVEL below land surface <i>Air</i> <i>1/2</i> hrs. pumping <i>45</i> g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m.					
<i>Clay, Brown, Sand & Gravel.</i>				<i>13'</i>		11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____ Other _____					
<i>Clay, Blue, Some Sand & Gravel.</i>		<i>25'</i>		<i>38'</i>		12 WELL HEAD COMPLETION: <input type="checkbox"/> In Approved Pit <input type="checkbox"/> Pitless Adapter <input checked="" type="checkbox"/> 12" Above Grade					
<i>Clay, Brown.</i>		<i>2'</i>		<i>40'</i>		13 Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> <i>Drillers Muc.</i> Depth: From _____ ft. to _____ ft.					
<i>Fine Sand, Brown.</i>		<i>2'</i>		<i>42'</i>		14 Nearest Source of possible contamination: <i>Open Spring</i> <i>Phyt</i> Type Well disinfected upon completion <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<i>Heavy Gravel, Brown</i>		<i>15'</i>		<i>57'</i>		15 PUMP: <input checked="" type="checkbox"/> Not installed Manufacturer's Name _____ Model Number _____ HP _____ Volts _____ Length of Drop Pipe _____ ft. capacity _____ G.P.M. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating					
<i>#1 Sample</i>						16 Remarks, elevation, source of data, etc. ADDED INFO BY DRILLER, ITEM NO. *CORRECTED BY **ADDITION BY ELEVATION DEPTH TO ROCK					
<i>34' to water</i>											
<i>Clay, Blue, Some Gravel.</i>		<i>26'</i>		<i>83'</i>		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. <i>S. Ward Sr. Inc. 0058</i> REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____ Address <i>6253 Cambridge, Clarkston</i> Signed <i>S. Ward Sr. Inc.</i> Date <i>1/80</i> AUTHORIZED REPRESENTATIVE					
<i>Gray, Sand & Gravel.</i>											
<i>Some Clay (Blue)</i>		<i>13'</i>		<i>95'</i>							
<i>Gray, Sand & Gravel.</i>				<i>107'</i>							
<i>#2 Sample</i>											
<i>to water</i>											

MAR 26 1974

30-4

WATER WELL RECORD
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County OAKLAND Township Name SPRING-FIELD Fraction N 6 1/4 S 1/4 E 1/4 NE 1/4 Section Number 30 Town Number 4 N 1/2 Range Number 8 E 1/2

Distance And Direction from Road Intersections

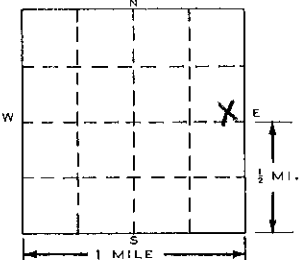
3/ OWNER OF WELL: JOE RANSOM

Address 6100 ORMOND RD.

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



4 WELL DEPTH: (completed) Date of Completion
48 ft. SEPT 73

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 Surface _____ ft.
_____ in. to _____ ft. Depth Weight _____ lbs./ft.
_____ in. to _____ ft. Depth Drive Shoe? Yes No

2 FORMATION

THICKNESS OF STRATUM DEPTH TO BOTTOM OF STRATUM

RED CLAY	10	10
SAND, ROCK'S	20	30
HARD COARSE SAND	38	68

8 SCREEN:
Type: _____ Dia.: 4
Slot/Gauge 12 Length 4
Set between _____ ft. and _____ ft.
Fittings: K

9 STATIC WATER LEVEL
40 ft. below land surface

10 PUMPING LEVEL below land surface
45 ft. after _____ 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

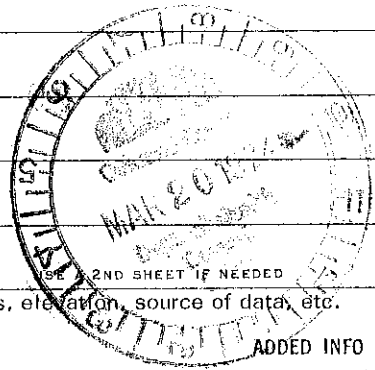
13 Well Grouted? Yes No
 Neat Cement Bentonite
Depth: From 0 ft. to 20 ft.

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

15 PUMP: Not installed
Manufacturer's Name FXW
Model Number _____ HP 1/2 Volts 230
Length of Drop Pipe _____ ft. capacity 2 G.P.M.
Type: Submersible Jet Reciprocating

16 Remarks, elevation, source of data, etc.
ADDED INFO BY WILLER, ITEM NO. 9
*CORRECTED BY
**ADDITION BY
ELEVATION 51060
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.
Glenn Summers REGISTRATION NO. 0013
Address 10730 CLARK
Signed Glenn Summers AUTHORIZED REPRESENTATIVE Date _____



D&D

OCT 26 1979

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT

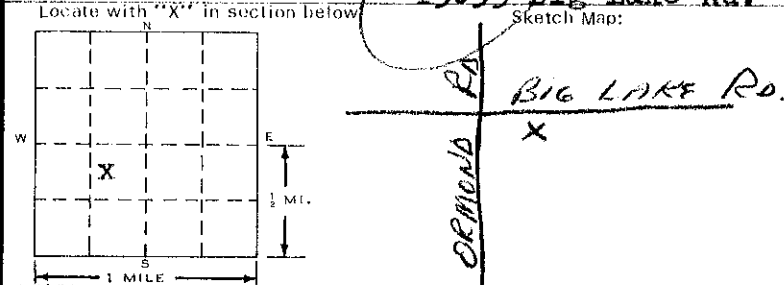
OF PUBLIC HEALTH

1 LOCATION OF WELL

County Oakland Township Name Springfield Fraction NW 1/4 NE 1/4 SW 1/4 Section Number 30 Town Number 4 N Range Number 8 E

Distance And Direction from Road Intersections
1/8 Miles East of Ormond Rd. on Big Lake

Street address & City of Well Location
13035 Big Lake Rd.



3 OWNER OF WELL:
Robert Beno
Address:

4 WELL DEPTH: (completed) Date of Completion
132 ft. 9-27-79

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~~ Surface 1 ft.
4 in. to 128 ft. Depth Weight _____ lbs./ft.
_____ in. to _____ ft. Depth Drive Shoe? Yes No

2 FORMATION

FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Yellow Clay & Gravel		8
Sand & Gravel	18	26
Blue Clay	27	53
Blue Clay & Gravel	29	82
Blue Clay & Fine Sand	19	101
Gravel & Blue Clay	2	103
Grey Putty & Sand (water)	24	127
Water Bearing Sand	?	?

8 SCREEN:
Type: SS Johnson Dia.: 4"
Slot/Groove 12 Length 4"
Set between 128 ft. and 132 ft.
Fittings: 12" Blank "K" Packer

9 STATIC WATER LEVEL
78 ft. below land surface

10 PUMPING LEVEL below land surface
78 ft. after 1 hrs. pumping 26 g.p.m.
_____ ft. after _____ hrs. pumping _____ g.p.m.

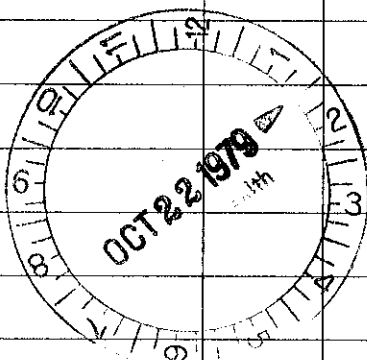
11 WATER QUALITY in Parts Per Million:
Iron (Fe) _____ Chlorides (Cl) _____
Hardness _____ Other _____

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
56 feet sw Direction Septic Type
Well disinfected upon completion Yes No

15 PUMP: Not installed
Manufacturer's Name Red Jacket
Model Number S50NI9BC HP 1/2 Volts 220
Length of Drop Pipe 84 ft. capacity 18 G.P.M.
Type: Submersible Jet Reciprocating



16 Remarks, elevation, source of data, etc.
DRILLER'S NAME
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.
Ro-Jud Well Drilling 0704
REGISTERED BUSINESS NAME REGISTRATION NO.
Address 3700 Hickory Ridge, Highland, Mi.
Signed [Signature] Date 9-29-79
AUTHORIZED REPRESENTATIVE