

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

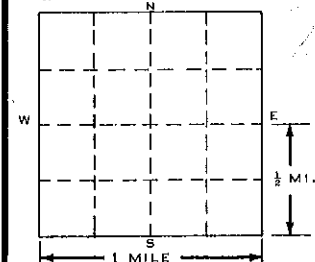
County <u>Montcalm</u>	Township Name <u>Richland</u>	Fraction <u>1/4</u> <u>1/4</u> <u>1/4</u>	Section Number <u>26</u>	Town Number <u>17</u> N/S.	Range Number <u>5</u> E/W.
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Distance And Direction from Road Intersections
7401 Douglas Rd.

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Red clay	30	30
Blue clay	30	60
muddy greenish sand	3	63
Blue clay	27	90
muddy pink sand	2	92
blue clay	35	127
Gravel sand	5	132

3 OWNER OF WELL:

Address
Riversdale Mich

4 WELL DEPTH: (completed) Date of Completion

132 ft. June 21, 84

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

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

7 CASING: Threaded ☒ Welded ☐Height: Above/Below
Diam. _____4 in. to 127 ft. Depth
_____ in. to _____ ft. DepthSurface 7 ft.
Weight 17 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: S.S. Dia.: 4"
Slot/Gauze 18 Length 5 FT.
Set between 127 ft. and 132 ft.
Fittings: Packet & Tail Pipe

9 STATIC WATER LEVEL

10 ft. below land surface

10 PUMPING LEVEL below land surface

40 ft. after 1 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 Grade13 Well Grouted? ☐ Yes ☐ No☐ Neat Cement ☐ Bentonite ☐ _____

Depth: From _____ ft. to _____ ft.

14 Nearest Source of possible contamination:

60 feet SE Direction Septic Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name ArnoldModel Number 10E3 HP 1 Volts 110Length of Drop Pipe 67 ft. capacity 15 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.

REGISTERED BUSINESS NAME
Louise JohnsonREGISTRATION NO.
0913Address Riversdale MichSigned Ann (Cordway)
AUTHORIZED REPRESENTATIVEDate 6-21-84RECEIVED
Mich. Dept. of Public Health

NOV 19 1984

Bureau of Environmental and
Occupational Health - GW-25

USE A 2ND SHEET IF NEEDED

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

W-59-95-08

1. LOCATION OF WELL

County

MONTICAILM

Township Name

RICHLAND

Fraction

NE 1/4 NE 1/4 NE 1/4

Section No.

26

Town No.

12

Range No.

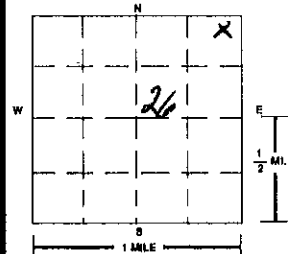
5

Distance and Direction from Road Intersection

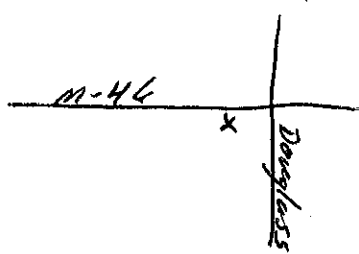
*3/10 mile W. of Douglass Rd on S
side of M-46*

Street Address & City of Well Location **10842 M-46**

Locate with 'x' in Section Below



Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

<i>SANDY clay</i>	<i>25</i>	<i>25</i>
<i>clay & gravel</i>	<i>87</i>	<i>112</i>
<i>sand & gravel</i>	<i>12</i>	<i>124</i>

3. OWNER OF WELL

LESLIE JENSEN

Address

**10842 HOWARD CITY EDMORE
RIVERDALE MI 48877**

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

☐ 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☐ ThreadedHeight: *above* Below☒ Plastic☐ WeldedSurface: *1* ft☐ OtherDiameter: *5* in. to *118* ft. depthWeight: *2150R* lbs./ft.

in. to ft. depth

BORE HOLE:

Diameter: *8 3/4* in. to *124* ft. depth☐ Drive Shoe☐ Shale Packer

in. to ft. depth

8. SCREEN:

☐ Not Installed☐ Gravel-PackedType *plastic*Diameter *3"*Slot/Gauze *12*Length: *8'*Set Between *118* ft. and *124* ft.FITTINGS: ☒ K-Packer☐ Bremer Check☐☐ Blank Above Screen ft. Other

9. STATIC WATER LEVEL:

47 ft. Below Land Surface☐ Flowing

10. PUMPING LEVEL: Below Land Surface

47 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☒ YesFrom *0* to *118* ft.☐ Neat Cement☒ Bentonite☐ OtherNo. of Bags *12*

Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type *septic*Distance *100* ft. Direction *E*

Type

Distance ft. Direction

14. PUMP:

☐ Not Installed☐ Pump Installation OnlyManufacturer's Name *STA-RITE*Model Number *5* HP *5* Volts *220*Length of Drop Pipe *80* ft. Capacity *10* G.P.M.TYPE: ☐ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name *well mate*Model Number *WM-6* Capacity *6* Gallons *6*

15. ABANDONED WELL PLUGGED?

☒ Yes ☐ NoCasing Diameter *2* in.Depth *110* ft.

PLUGGING MATERIAL:

☒ Neat Cement☐ Bentonite Slurry☐ Cement/Bentonite Slurry☐ Concrete Grout☐ Bentonite ChipsNo. of Bags *4*

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.

Bartlett's water well
REGISTERED BUSINESS NAME

0583
REGISTRATION NO.

Address *Blomland mi*Signed *Rich Bartlett*

AUTHORIZED REPRESENTATIVE

Date *2-22-95*

WATER WELL RECORD

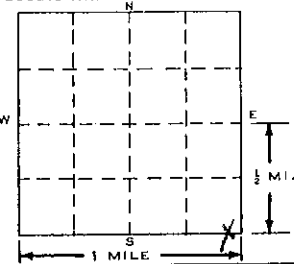
ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		County <u>Macatawa</u>		Twp. <u>Richland</u>	Fraction <u>N 1/4</u>	Section No. <u>26</u>	Town <u>12 N.</u>	Range <u>5 E.</u>
Distance And Direction from Road Intersections					3 OWNER OF WELL: <u>BUTCH-RABY</u>			
Street address & City of Well Location					Address <u>VESTABERG</u>			
2	FORMATION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	4 WELL DEPTH: (completed) <u>102</u> ft. Date of Completion <u>SEPT 30 - 67</u>				
	<u>CLAY</u>	<u>10 -</u>	<u>76 FT</u>	5 ☒ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Jetted ☐ Bored ☐				
	<u>SAND</u>	<u>76 ft to 76 1/2</u>	<u>76 1/2</u>	6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐				
	<u>CLAY</u>	<u>76 1/2 to 96</u>	<u>96</u>	7 CASING: Threaded ☒ Welded ☐ Height: Above/Below surface <u>1 FT</u> ft. <u>2</u> in. to <u>92</u> ft. Depth Weight <u>2.2</u> lbs./ft. _____ in. to _____ ft. Depth Drive Shoe? Yes ☒ No ☐				
	<u>GRAVEL - WATER</u>	<u>96 - 102</u>	<u>102</u>	8 SCREEN: Type: <u>RED TOP SLOT</u> Dia.: <u>3</u> Slot/Gauze <u>10</u> Length <u>5 FT</u> Set between <u>97</u> ft. and <u>102</u> ft. Fittings: <u>ROBBEY PAKER - 5 FT 2 IN</u>				
				9 STATIC WATER LEVEL <u>50</u> ft. below land surface <u>3 IN CHECK</u>				
				10 PUMPING LEVEL below land surface <u>50</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 _____				
				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>58</u> feet <u>E</u> Direction <u>SEPT TANK</u> Type _____ Well disinfected upon completion ☒ Yes ☐ No				
				15 PUMP: <u>NONE INST</u> Manufacturer's Name _____ 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:				
ADDED INFO. BY DRILLER, ITEM NO. _____				This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.				
CORRECTED BY: _____				Registered Business Name <u>Rowley - Sons</u> Registration No. <u>0973</u>				
ADDITION: _____				Address <u>Richland R1</u>				
				Signed <u>Charles Rowley</u> Date <u>SEP 30 - 67</u> AUTHORIZED REPRESENTATIVE				

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County <u>Macomb</u>	Township Name <u>Richland</u>	Fraction <u>SE 1/4 SE 1/4 SE 1/4</u>	Section Number <u>26</u>
Distance And Direction From Road Intersection <u>50 ft NW on Douglas</u> <u>to Deane rd NW corner</u> <u>10985 Deane rd.</u>		Town Number <u>17 N/8</u>	
Street Address & City of Well Location <u>Hunting, Mich.</u>		Range Number <u>5 E/W</u>	
Locate with "X" in Section Below 		Address <u>Mary Church</u> <u>10985 Deane rd</u> <u>Hunting, Mich.</u>	
Sketch Map:		Address Same As Well Location? ☒ Yes ☐ No	
		4 WELL DEPTH: <u>63</u> FT.	
		Date Completed MO. <u>5</u> DAY <u>22</u> YEAR <u>1971</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 ☐	
2 FORMATION DESCRIPTION		7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☐ Welded	
		Height: Above/Below Surface <u>1</u> ft.	
		Weight <u>50</u> lbs./ft.	
		Drive Shoe ☐ Yes ☐ No	
		8 SCREEN: ☐ Not Installed Type <u>Welded</u> Diameter <u>4"</u> Slot/Gauze <u>7</u> Length <u>5'</u> Set between <u>58</u> ft. and <u>63</u> ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen <u>4</u> ft. Other _____	
9 STATIC WATER LEVEL: <u>25</u> ft. below land surface ☐ Flow		10 PUMPING LEVEL: below land surface <u>45</u> ft. after <u>2</u> hrs. pumping at <u>40</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>Septic</u> Distance <u>600</u> ft. Direction <u>NW</u> Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No	
		14 PUMP: ☐ Not installed ☐ Pump Installation Only Manufacturer's name <u>Flint & Walling</u> Model number <u>501</u> HP <u>1/2</u> Volts <u>240</u> Length of Drop Pipe <u>35</u> ft. capacity <u>10</u> G.P.M. TYPE: ☒ Submersible ☐ Jet	
		PRESSURE TANK: Manufacturer's name <u>Wellmark</u> Model number <u>W-1116</u> Capacity <u>30</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>Ken Bogart</u> REGISTERED BUSINESS NAME <u>Ken Bogart Inc.</u> REGISTRATION NO. <u>1119</u> Address <u>11548 Oakley St Crystal, Mich.</u> Signed <u>Ken Bogart</u> Date <u>11/1/91</u> AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name:			

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH
WATER WELL AND PUMP RECORD

PERMIT NO:

W59-98-440

1. LOCATION OF WELL

County

Montcalm

Township Name

Richland

Fraction

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

Section No.

26

Town No.

12N

Range No.

5W

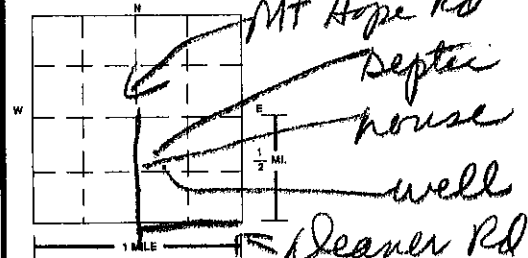
Distance and Direction from Road Intersection

Intersection Mt Hope Rd + Deane Rd
1/4 mile north + 136' east off road.

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

sand

6'

6'

gray clay

50'

56'

stone gray clay

17'

73'

blue clay

10'

83'

water sand

12'

95'

3. OWNER OF WELL

Address

Bradley + Lori Patton
7274 Mt Hope Rd
Riversdale Michigan

Address Same as Well Location

Yes ☒ No ☐

4. WELL DEPTH:

Date Completed

95 ft.

7/2/99

☒ 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 83 ft.

depth

Weight: 521 lbs./ft.

in. to

ft. depth

BORE HOLE:

Diameter: 8 in.

to 83 ft.

depth

☐ Drive Shoe☐ Shale Packer

in. to

ft. depth

8. SCREEN:

☐ Not Installed☐ Gravel-Packed

Type

plastic

Diameter 4"

Slot/Gauge

10

Length: 12'

Set Between

83

ft. and

95

ft.

FITTINGS:

☒ K-Packer☐ Bremer Check☒ Blank Above Screen

6

ft. Other

9. STATIC WATER LEVEL:

28

ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

60

ft. After

1

hrs. Pumping at

55 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

7

Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type

septic tank

Distance

60

ft. Direction

Type

Distance

ft. Direction

NW

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Sta Rte

Model Number

10SP402H-03

HP

230

Length of Drop Pipe

65

ft. Capacity

10 G.P.M.

TYPE:

☒ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name

well mate

Model Number

WM-6

Capacity

40 Gallons

5

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.

Wayne Miller Well Drilling 0977

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address 939 W. Jefferson St Anna MI

Signed Wayne Miller Date 8-16-99

AUTHORIZED REPRESENTATIVE

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

MONTCALM

Township Name

RICHLAND

Fraction

NW 1/4 NE 1/4

Section No.

26

Town No.

12N

Range No.

5W

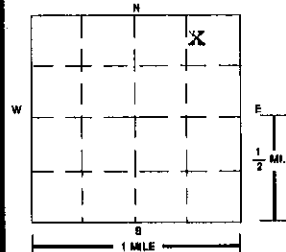
Distance and Direction from Road Intersection

M-46 & Douglas Rd.
.2 Mi. West, South side

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

RED CLAY

12

12

GRAVEL

15

27

CLAY

55

82

SAND

25

107

3. OWNER OF WELL

Address Leslie Jenison

M-46

Riverdale, MI

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

107 ft. 7 / 12 / 96

☒ New Well☐ Replacement Well☐ 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 101 ft. depth

Weight: lbs./ft.

in. to ft. depth

BORE HOLE:

Diameter: 8 in. to 90 ft. depth

☐ Drive Shoe☐ Shale Packer

in. to ft. depth

8. SCREEN:

☐ Not Installed☒ Gravel-Packed

Type W.O.P.

Diameter 3"

Slot/Gauze 12

Length: 6'

Set Between 101 ft. and 107 ft.

FITTINGS: ☒ J-K-Packer☐ Bremer Check☒ Blank Above Screen 2 ft. Other

9. STATIC WATER LEVEL:

56 ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

ft. After 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 90 ft.

☐ Neat Cement☒ Bentonite☐ Other

No. of Bags 8

Additives

Easy-mud

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type septic

Distance 100 ft.

Direction SW

Type

Distance

ft. Direction

14. PUMP:

☐ Not Installed☐ Pump Installation Only

Manufacturer's Name

Gould

Model Number 10LS05422

HP 1

Volts 220

Length of Drop Pipe 80 ft.

Capacity 10 G.P.M.

TYPE: ☒ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name

Well-X-Trol

Model Number Wx-202

Capacity 40

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.

REGISTERED BUSINESS NAME TRAYER WATER WELLS

1126

REGISTRATION NO.

Address 9901 M-46 Vestaburg, MI 48891

Signed

AUTHORIZED REPRESENTATIVE

Date 7/15/96

17. DRILLING MACHINE OPERATOR:

☒ Employee ☐ Subcontractor

Name

CHARLES TRAYER

GW-2-228 9/93

GEOLOGICAL SURVEY COPY

Authority: Act 368 PA 1978

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

RECEIVED OCT 6 1988

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
Monicarm		Richland		1/4		1/4		26		12		5 NW	
Distance And Direction From Road Intersection													
100' n. of Deaner Rd. - E. of Bollinger Rd.													
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:					
Brown Clay				20		20		Tom Ryers					
Gray Clay				5		25		Address 11103 Deaner Rd					
Sandy Brown Clay				25		50		Riverdale MI 48877					
Sand & Gravel				37		77		Address Same As Well Location? ☒ Yes ☐ No					
								4 WELL DEPTH: (completed) 77 ft. Date of Completion 5/16/85					
								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 2.8 lbs./ft.					
								Drive Shoe ☐ Yes ☒ No					
								8 SCREEN: ☐ Not Installed					
								Type Stainless Steel Diameter 4"					
								Slot/Gauze 15 Length 5'					
								Set between 72 ft. and 77 ft.					
								FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check					
								☐ Blank above screen ft. Other Screwed					
								9 STATIC WATER LEVEL: 36 ft. below land surface ☐ Flow					
								10 PUMPING LEVEL: below land surface					
								ft. after 4 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 72 ft.					
								☐ Neat cement ☒ Bentonite ☐ Other					
								No. of bags of cement Additives					
								13 Nearest source of possible contamination					
								Type Septic Tank Distance 65 ft. Direction N.W.					
								Well disinfected upon completion? ☒ Yes ☐ No					
								14 PUMP: ☐ Not Installed ☐ Pump Installation Only					
								Manufacturer's name Aer motor					
								Model number A12-75 HP 3/4 Volts 230					
								Length of Drop Pipe 65' ft. capacity 15 G.P.M.					
								TYPE: ☒ Submersible ☐ Jet					
								PRESSURE TANK: Manufacturer's name Amtrol					
								Model number WX 202 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.

Raymer Co. Inc. 0384
 REGISTERED BUSINESS NAME REGISTRATION NO.
 Address 3311 3 mile Rd. Grand Rapids MI 49508
 Signed J. F. Neubecker Jr. Date 7-1-85
 AUTHORIZED REPRESENTATIVE

**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

MONTCALM

Township Name

RICHLAND

Fraction

NW 1/4 NE 1/4 NW 1/4

Section No.

26

Town No.

12N

Range No.

5W

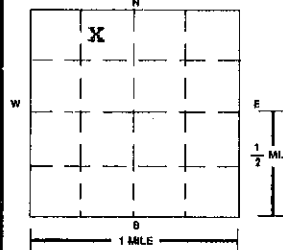
Distance and Direction from Road Intersection

**M-46 & Bollinger Rd.
.3 mi. East, South side**

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

CLAY

63

63

SAND

32

95

RECEIVED
MICH DEPT OF ENVIRONMENTAL QUALITY

NOV 18 1997

Drinking Water & Radiological Protection Division
Ground Water Supply Section
WELL CONSTRUCTION UNIT

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 **CHARLES TRAYER**

3. OWNER OF WELL

Address **Joshua Estill
10310 M-46**

Vestaburg, MI 48891

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

☒ New Well

95 ft.

11 / 3 / 97

☐ 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: **5** in. to **89** ft. depth

Weight: _____ lbs./ft.

in. to _____ ft. depth

BORE HOLE:

Diameter: **8** in. to **85** ft. depth

☐ Drive Shoe

☐ Shale Packer

in. to _____ ft. depth

8. SCREEN: ☐ Not Installed

☒ Gravel-Packed

Type **W.O.P.**

Diameter **3"**

Slot/Gauze **10**

Length: **6'**

Set Between **89** ft. and **95** ft.

FITTINGS:

☒ JK-Packer

☐ Bremer Check

☒ Blank Above Screen **2** ft. Other _____

9. STATIC WATER LEVEL:

27 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 **0** to **85** ft.

☐ Neat Cement

☒ Bentonite

☐ Other

No. of Bags **11**

Additives **easy-mud**

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type **septic**

Distance **50+** ft.

Direction **SE**

Type _____

Distance _____ ft.

Direction _____

14. PUMP: ☐ Not Installed

☐ Pump Installation Only

Manufacturer's Name **Could**

Model Number **10LS05422**

HP **1**

Volts **220**

Length of Drop Pipe **50** ft.

Capacity **10** G.P.M.

TYPE: ☒ Submersible

☐ Jet

☐ Other

PRESSURE TANK:

Manufacturer's Name **Well-X-Trol**

Model Number **WX-202**

Capacity _____ 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.

REGISTERED BUSINESS NAME **TRAYER WATER WELLS**

REGISTRATION NO. **1126**

Address **9901 M-46 Vestaburg, MI 48891**

Signed **Charles Trayer** Date **11/3/97**

AUTHORIZED REPRESENTATIVE

GEOLOGICAL SURVEY COPY

EQP 2017 (12/96)

FEB 17 1971

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

FEB 18 1971

County MONTICALLY Township Name RICHLAND Fraction NW 1/4 SW 1/4 Section Number 26 Town Number 12 N Range Number 5 R W.

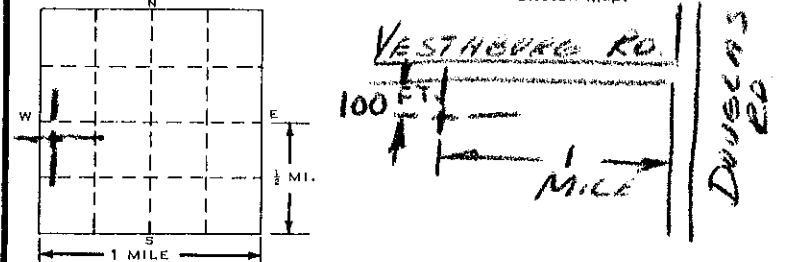
Distance And Direction from Road Intersections

VESTABURG RD. & DOUGLAS RD.
1 MILES WEST, 100 FT. SOUTH

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

HAROLD ROGERS
Address VESTABURG

4 WELL DEPTH: (completed) Date of Completion

51 ft. 9-13-70

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 46 ft. Depth Height: Above/Below Surface 1 ft.
Weight 3 1/2 lbs./ft.
Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: JOHNSON Dia.: 1 1/4
Slot/Gauge 10 Length 4'-6
Set between 46 ft. and 51 ft.
Fittings:

9 STATIC WATER LEVEL

14 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

60 feet SE 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

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

WELL 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.

ROGER TRAYER, WATER WELL DRILLING 1126

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address Rt 1 VESTABURG, MICH.

Signed Roger Trayer date 9-13-70

AUTHORIZED REPRESENTATIVE

WATER WELL AND PUMP RECORD

C59 87 31

PERMIT NUMBER

1 LOCATION OF WELL		Fraction		Section Number		Town Number		Range Number	
County MONTCAIM		Township Name RICHLAND		SE 1/4 SE 1/4 SE 1/4		20		12 N18 E1W	
Distance And Direction From Road Intersection 10719 Orleans Rd on Orleans Rd		Sketch Map:		3 OWNER OF WELL: Charlotte Church					
Street Address & City of Well Location 10719 Orleans Rd, Montclair, Mich.		Locate with "X" in Section Below:		Address 7071 N DOUGLAS Rd, Riverdale, MI		Address Same As Well Location? ☐ Yes ☒ No			
		4 WELL DEPTH: (completed) 53 ft.		Date of Completion 7-25-87		5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☒ Hollow rod ☐ Auger ☐ Jetted ☐			
2 FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐			
sand & gravel - clay with		6 6		41		7 CASING: Diameter ☒ Steel ☒ Threaded ☐ Plastic ☐ Welded			
clay		40 46		47		Height: Above/Below Surface 1 ft. Weight 3.25 lbs./ft.			
sand & gravel		7 53		47		Grouted Drill Hole Diameter ☐ Yes ☐ No			
						8 SCREEN: ☐ Not Installed			
						Type JOHNSON Diameter 1 1/4			
						Slot/Gauge 10 Length 6			
						Set between 47 ft. and 53 ft.			
						FITTINGS: ☐ K-Packer ☐ Lead Packer ☒ Bremer Check			
						☒ Blank above screen 2 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 SEPTIC Distance 75 ft. Direction N			
						Well disinfected upon completion? ☒ Yes ☐ No			
						14 PUMP: ☐ Not Installed ☐ Pump Installation Only			
						Manufacturer's name F+W			
						Model number 7F2 HP 3/4 Volts 220			
						Length of Drop Pipe 42 ft. capacity 10 G.P.M.			
						TYPE: ☐ Submersible ☒ Jet			
						PRESSURE TANK: STA Rite			
						Manufacturer's name OP42 Capacity 30 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.							
		1 Ken Bogart 1119							
		REGISTERED BUSINESS NAME Ken Bogart REGISTRATION NO.							
		Address 11568 Colby Rd Crystal Mt.							
		Signed Ken Bogart Date 7/27/87							
		AUTHORIZED REPRESENTATIVE							