

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

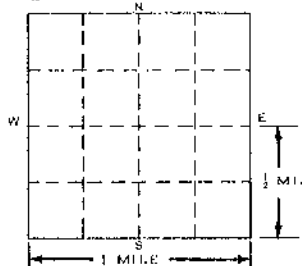
County **KENT** Township Name **BYRON** Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section Number **31** Town Number **108 N/S.** Range Number **48 E/W.**

Distance And Direction from Road Intersections

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



Sketch Map:
1000 ft
104

3 OWNER OF WELL:

Address

Calvin Vooht
4200 104th St
Byron Center, Mich 49208

4 WELL DEPTH: (completed) Date of Completion

185 ft.

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.

5 in. to 153 ft. Depth

Weight 3.72 lbs./ft.

in. to ft. Depth

Drive Shoe? Yes ☐ No ☒

8 SCREEN:

Type: Dia.:

Slot/Gauze Length

Set between ft. and ft.

Fittings:

9 STATIC WATER LEVEL

50 ft. below land surface

10 PUMPING LEVEL below land surface

ft. after 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 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 E Direction SEPTIC TypeWell disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installedManufacturer's Name **BURKS**Model Number **SN10C** HP **1** Volts **220**Length of Drop Pipe **84** ft. capacity **18** G.P.M.Type: ☒ Submersible☐ Jet ☐ Reciprocating**250 WELDXTR 13-9**

16 Remarks, elevation, source of data, etc.

RECEIVED
Mich. Dept. of Public Health

DEC 4 1989

BUREAU OF ENVIRONMENTAL AND
OCCUPATIONAL HEALTH-GWOS

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.

Address

7525 48AVE HUDSONVILLE 49426

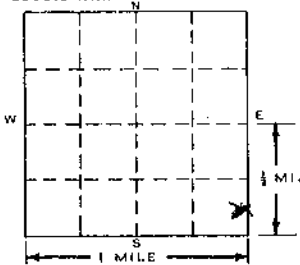
Signed

George Sytma Date **10/18/1989**

AUTHORIZED REPRESENTATIVE

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																
County <u>Gen</u>	Township Name <u>Byron</u>	Fraction <u>1/4 SE 1/4</u>	Section Number <u>31</u>															
		Town Number <u>5 N/2</u>	Range Number <u>12 E/W</u>															
Distance And Direction From Road Intersection <u>Approx 1/8 mi. N. of 108th St.</u> <u>on the W. side of Wilson Ave.</u>		Address <u>10541 Wilson</u> Address Same As Well Location? ☒ Yes ☐ No																
Street Address & City of Well Location Locate with "X" in Section Below 		4 WELL DEPTH: <u>63</u> FT. Date Completed <u>7</u> / <u>89</u> ☒ 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 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>Clay</u></td><td><u>7</u></td><td><u>7</u></td></tr> <tr><td><u>Clay + gravel</u></td><td><u>11</u></td><td><u>18</u></td></tr> <tr><td><u>Clay</u></td><td><u>27</u></td><td><u>45</u></td></tr> <tr><td><u>fine sand</u></td><td><u>18</u></td><td><u>63</u></td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	<u>Clay</u>	<u>7</u>	<u>7</u>	<u>Clay + gravel</u>	<u>11</u>	<u>18</u>	<u>Clay</u>	<u>27</u>	<u>45</u>	<u>fine sand</u>	<u>18</u>	<u>63</u>	6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public	
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<u>fine sand</u>	<u>18</u>	<u>63</u>																
7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☒ Welded <u>5</u> in. to <u>58</u> ft. depth Height: Above/Below Surface _____ ft. Weight _____ lbs./ft. Grouted Drill Hole Diameter _____ in. to _____ ft. depth Drive Shoe ☐ Yes ☐ No		8 SCREEN: ☐ Not Installed Type <u>S.S.</u> Diameter <u>5"</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 _____ 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.																
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>Myers</u> Model number _____ HP <u>1/2</u> Volts <u>230</u> Length of Drop Pipe <u>600</u> ft. capacity <u>11</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: <u>Well meter</u> Manufacturer's name _____ Capacity _____ Gallons																
USE A 2ND SHEET IF NEEDED																		
15. Remarks, elevation, source of data, etc. <u>New Site</u> 17. Rig Operator's Name: <u>Jeff DW.</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>Dewind Drilling</u> <u>0180</u> REGISTERED BUSINESS NAME REGISTRATION NO. Address <u>7030-120 Ave.</u> <u>Holland</u> Signed <u>Shen Dewind</u> Date <u>7-17-89</u> AUTHORIZED REPRESENTATIVE																

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL			3 OWNER OF WELL:		
County Kent	Township Name Byron	Fraction NW 1/4 NE 1/4 SE 1/4	Section Number 31	Town Number 5 N/30	Range Number 12 E/W
Distance And Direction From Road Intersection 1/4 Mile West of Wilson - 200' South of 104th Street			Address 4140 104th Street, Byron Center		
Street Address & City of Well Location 4140 104th St., Byron Center			Address Same As Well Location? ☒ Yes ☐ No		
Locate with "X" in Section Below			Date Completed MO. 1 DAY YEAR ☒ New Well 11 11 93 ☐ Replacement Well		
			4 WELL DEPTH: 220 FT.		
			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 ☐		
			7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☒ Welded Height: Above/Below Surface 1 ft. Weight 2.8 lbs./ft. Drive Shoe ☐ Yes ☒ No		
2 FORMATION DESCRIPTION			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 _____		
THICKNESS OF STRATUM			9 STATIC WATER LEVEL:		
DEPTH TO BOTTOM OF STRATUM			_____ 32 ft. below land surface ☐ Flow		
Clay			10 PUMPING LEVEL: below land surface		
Sand			_____ ft. after 4 hrs. pumping at 60 G.P.M.		
Sandy Clay & Gravel			_____ ft. after _____ hrs. pumping at _____ G.P.M.		
Sand & Gravel			11 WELL HEAD COMPLETION: ☒ Pitless adapter ☐ 12" above grade		
Clay & Gravel			☐ Basement offset ☐ Approved pit		
Marshall Sandstone			12 WELL GROUTED? ☐ No ☒ Yes From 30 to surface		
			☐ Neat cement ☒ Bentonite ☐ Other _____		
			No. of bags of cement _____ Additives _____		
			13 Nearest source of possible contamination		
			Type Septic Distance 50 ft Direction S.E.		
			Well disinfected upon completion? ☒ Yes ☐ No		
			Was old well plugged? ☐ Yes ☐ No		
			14 PUMP: ☐ Not Installed ☐ Pump Installation Only		
			Manufacturer's name Sarmotor		
			Model number T12-100 HP 1 Volts 230		
			Length of Drop Pipe 60 ft. capacity 12 G.P.M.		
			TYPE: ☒ Submersible ☐ Jet		
			PRESSURE TANK:		
			Manufacturer's name Antrol		
			Model number WX 250 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:			Raymer Company, Inc. 0384		
			REGISTERED BUSINESS NAME REGISTRATION NO.		
			Address 3311 Three Mile Rd., N.W., Grand Rapids		
			Signed <i>Cheri Neuberger</i> Date Dec. 29, 1993		
			AUTHORIZED REPRESENTATIVE		

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																										
County Kent	Township Name Byron	Fraction $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$	Section Number 31 Town Number 5 Range Number 12 E/W N/S																									
Distance And Direction From Road Intersection .1 west of Wilson on 104th St.		Address Ruth Harkema Builder & Design 2856 Mary Nell Byron Center MI 49315																										
Street Address & City of Well Location 4091 - 104th		Address Same As Well Location? ☐ Yes ☒ No																										
Locate with "X" in Section Below		4 WELL DEPTH: 63 FT. Date Completed MO. 7 DAY 8 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 ☐																										
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		2 FORMATION DESCRIPTION		THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																							
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Sand	11	63																										
Red Clay	-																											
		8 SCREEN Johnson ☐ Not Installed Type Stainless Diameter 3" Slot/Gauge 7 Length 5' Set between 58 ft. and 63 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 8" Other _____																										
		9 STATIC WATER LEVEL: 35 ft. below land surface ☐ Flow																										
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at 42 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 up to 3 ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																										
		13 Nearest source of possible contamination Type Septic Distance 50+ 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 Burks Model number 7SNB12B HP 3/4 Volts 220 Length of Drop Pipe 48 ft. capacity 12 G.P.M. TYPE ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Well X-Trol Model number 250 Capacity 13.6 Gallons																										
		15. Remarks, elevation, source of data, etc. No nitrates detected on field test.																										
17. Rig Operator's Name: Joe Carlson		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. Carlson Well Drilling, Inc. 1552 REGISTERED BUSINESS NAME REGISTRATION NO. Address 5434 Thorneapple River Dr., Gr. Rapids MI Signed Reggie Cooke Pres. Date 7-9-93 49512 AUTHORIZED REPRESENTATIVE																										

11 Location of Well		1 Township Name		1 Fraction		1 Section Number		1 Town Number		1 Range Number	
KENT		BYRON		SE 1/4 SE 1/4 NE 1/4		31		5N		N/6 12W E/W	
1 Distance and Direction From Road Intersection						3 Owner of Well KOK CONSTRUCTION					
1 1/10TH MI N. OF 104TH AVE. & 500' W. OF WILSON AVE.						Address 10277 WILSON AVE.					
1 10277 WILSON AVE.						BYRON CENTER MI 49315-					
1 BYRON CENTER						Address Same as Well Location? Yes					
1 Street Address and City of Well Location						4 Well Depth (Completed) 75 ft.					
1 Sketch Map						1 Date of Completion 06/27/95					
						1 New Well					
						5 Drilling Method ROTARY					
						6 Proposed Use DOMESTIC					
						7 Casing PLASTIC					
12 FORMATION DESCRIPTION						1 Height Above					
1 RED CLAY						5 in. to 60 ft. depth Surface 1 ft.					
1 SAND						in. to ft. depth Weight BDR-2/lbs./ft.					
1 GRAYCLAY SAND GRAVEL						Bore Hole Diameter					
1 SAND AND GRAVEL						7 7/8 in. to 75 ft. depth Drive Shoe No					
1 WATER SAND AND GRAVEL						in. to ft. depth Shale Packer No					
						8 Screen Gravel-packed? Yes					
						Type PLASTIC Diameter 5"					
						Slot/Gauze 20 SLOT Length 8'					
						Set Between 60 ft. and 75 ft.					
JUL 28 1995						Fittings 0.00 Blank ft. above screen					
						9 Static Water Level 31 Ft. Below Land Surface Flow					
						10 Pumping Level Below Land Surface					
						55 ft. after 1 hrs. pumping at 30 G.P.M.					
						ft. after hrs. pumping at G.P.M.					
						Using AIR					
						11 Well Head Completion PITLESS ADAPTER					
						12 Well Grouted? Yes From 0 to 65 ft.					
						BENTONITE					
						No. of bags of cement 6 Additives					
						13 Nearest Source of Possible Contamination					
						SEPTIC Distance 75 ft. Direction NE					
						Distance ft. Direction					
15 Abandoned well plugged? No						14 Pump Installed Pump Installation Only? No					
Casing Diameter in. Depth ft.						Manufacturer's Name GRUNDFOS					
Casing removed? No						Model Number 10805-9 HP 1/2 Volts 230					
						Length of Drop Pipe 60 ft. Capacity 10 G.P.M.					
						Type SUBMERSIBLE Jet					
16 Remarks, elevation, source of data, etc.						Pressure tank:					
						Manufacturer's Name CHAMPION					
						Pressure Tank Model CH-203 Capacity 10 gal.					
17 Drilling machine operator:						18 Water Well Contractor's Certification:					
Employee						This well was drilled under my jurisdiction and this report is true					
Name DAVE HAZEN						to the best of my knowledge and belief.					
Authority: Act 368 PA 1978						Registered business name: KRAAI WELL DRILLING, INC.					
Completion: Required.						Registration number: 03-1601					
Penalty: Conviction of violation of any						Address: 170 124TH AVE, GHELBYSVILLE, MI 49344					
provision is a misdemeanor.						Signed: <u>Ronald Kraai</u> Date: <u>6-27-95</u>					
IMPORTANT: File with deed.						(Authorized representative)					

GEOLOGICAL SURVEY

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																			
County <u>Kent</u>	Township Name <u>Byron</u>	Fraction <u>SE 1/4 NE 1/4</u>	Section Number <u>31</u>																		
Distance And Direction From Road Intersection		Town Number <u>5</u> Range Number <u>12</u>																			
Street Address & City of Well Location		Address <u>10255 WILSON AVE</u>																			
Locate with "X" in Section Below		Address Same As Well Location? ☒ Yes ☐ No																			
		4 WELL DEPTH: <u>174</u> FT. Date Completed <u>6/1/93</u> ☒ New Well ☐ Replacement Well ☐ 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: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>CLAY GRAY</td> <td>10</td> <td>10</td> </tr> <tr> <td>SAND HARD packed</td> <td>77</td> <td>87</td> </tr> <tr> <td>CLAY GRAY</td> <td>48</td> <td>135</td> </tr> <tr> <td>SANDSTONE, LIME MIXED</td> <td>7</td> <td>142</td> </tr> <tr> <td>SANDSTONE</td> <td>32</td> <td>174</td> </tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	CLAY GRAY	10	10	SAND HARD packed	77	87	CLAY GRAY	48	135	SANDSTONE, LIME MIXED	7	142	SANDSTONE	32	174	6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
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7 CASING: ☐ Steel ☐ Threaded ☐ Welded ☒ Plastic ☐ Height: Above/Below Surface _____ ft. <u>5</u> in. to <u>141</u> ft. depth Weight _____ lbs./ft. <u>8 1/4</u> in. to <u>23</u> ft. depth Drive Shoe ☐ Yes ☒ No <u>8 1/4</u> in. to _____ ft. depth																					
8 SCREEN: ☐ Not Installed Type <u>Rock</u> Diameter _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremor Check ☐ Blank above screen _____ ft. Other _____		9 STATIC WATER LEVEL: <u>50</u> ft. below land surface ☐ Flow																			
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at <u>60</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>25</u> ft. ☐ Neat cement ☐ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																			
		13 Nearest source of possible contamination Type <u>NONE</u> At <u>Time</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>MVERS</u> Model number <u>1102AR</u> HP <u>1</u> Volts <u>220</u> Length of Drop Pipe <u>100</u> ft. capacity <u>15</u> G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: <u>GOULDS</u> Manufacturer's name _____ Model number <u>V140</u> Capacity <u>45</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>Ricketts Well Drilling</u> REGISTERED BUSINESS NAME <u>1184 Byron Rd Byron Center, Mi.</u> REGISTRATION NO. <u>1193</u> Address _____ Signed <u>Ron Ricketts</u> Date <u>June 2-93</u> AUTHORIZED REPRESENTATIVE																			
17. Rig Operator's Name: _____		18. Remarks, elevation, source of data, etc.																			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																			
County Kent	Township Name Byron	Fraction 1/4	Section Number 31																		
		Town Number 5	Range Number 12 E/W																		
Distance And Direction From Road Intersection 350' West of Wilson - 1/2 Mile South of 100th St.		Address 10575 Wilson, Byron Center																			
Street Address & City of Well Location 10575 Wilson, Byron Center		Address Same As Well Location? ☒ Yes ☐ No																			
Locate with "X" in Section Below		4 WELL DEPTH: Date Completed MO. DAY YEAR ☒ New Well 118 FT. 7 15 93 ☐ 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 ☐																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:40%;">2 FORMATION DESCRIPTION</th> <th style="width:10%;">THICKNESS OF STRATUM</th> <th style="width:10%;">DEPTH TO BOTTOM OF STRATUM</th> </tr> <tr> <td>Clay</td> <td>50</td> <td>50</td> </tr> <tr> <td>Sand</td> <td>3</td> <td>53</td> </tr> <tr> <td>Clay</td> <td>48</td> <td>101</td> </tr> <tr> <td>Sand * T.D.</td> <td>17</td> <td>118 *</td> </tr> <tr> <td>Clay & Gravel</td> <td>2</td> <td>120</td> </tr> </table>		2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Clay	50	50	Sand	3	53	Clay	48	101	Sand * T.D.	17	118 *	Clay & Gravel	2	120	7 CASING: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☒ Welded Height: Above/Below Surface 1 ft. Weight 2.8 lbs./ft. Drive Shoe ☐ Yes ☒ No Grouted Drill Hole Diameter 8 in. to 118 ft. depth _____ in. to _____ ft. depth _____ in. to _____ ft. depth	
		2 FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																	
Clay	50	50																			
Sand	3	53																			
Clay	48	101																			
Sand * T.D.	17	118 *																			
Clay & Gravel	2	120																			
8 SCREEN: ☐ Not Installed Type PVC Diameter 5" Slot/Gauze 12 Length 10' Set between 108 ft. and 118 ft. FITTINGS: ☐ K-Packer ☐ Load Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other Glued																					
9 STATIC WATER LEVEL: 54 ft. below land surface ☐ Flow		10 PUMPING LEVEL: below land surface _____ ft. after 4 hrs. pumping at 20 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 30 to surface ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																			
13 Nearest source of possible contamination Type Septic Tank Distance 60 ft. Direction N.E. Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name Aermotor Model number A12-75 HP 3/4 Volts 230 Length of Drop Pipe 100 ft. capacity 14 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Amtrol Model number WX-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. Ranner Company, Inc. REGISTRATION NO. 0384 Address 3311 Three Mile Rd., N.W., Grand Rapids Signed <i>[Signature]</i> Date Sept. 9, 1993 AUTHORIZED REPRESENTATIVE Authority: Completion: Penalty: Act 368 PA 1978 Required Conviction of a violation of any provision is a misdemeanor.																			
17. Rig Operator's Name: OCT 8 1993																					

RECEIVED

SEP 24 1993

KENT COUNTY HEALTH DEPARTMENT

USE A 2ND SHEET IF NEEDED

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		County		Township Name		Fraction		Section Number		Town Number		Range Number	
Kent		Byron		NW 1/4 NE 1/4 NE 1/4		31		5		N 1/2		12	
Distance And Direction From Road Intersection													
1000' South of 100th Street - East of Wilson Avenue													
Street Address & City of Well Location													
Locate with "X" in Section Below													
2 FORMATION DESCRIPTION													
THICKNESS OF STRATUM													
DEPTH TO BOTTOM OF STRATUM													
Sand													
95													
95													
Clay & Gravel													
41													
136													
Marshall Sandstone													
64													
200													
3 OWNER OF WELL: Mr. Gerald Lubbers													
Address 4378 100th Street, Byron Center													
Address Same As Well Location? ☒ Yes ☐ No													
4 WELL DEPTH: Date Completed													
200 FT. 11 13 92													
☒ 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													
5 in. to 138 ft. depth													
Surface 1 ft.													
Weight 2.8 lbs./ft.													
Grouted Drill Hole Diameter													
8 in. to 30 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 ☐ Bremer Check													
☐ Blank above screen _____ ft. Other _____													
9 STATIC WATER LEVEL													
22 ft. below land surface ☐ Flow													
10 PUMPING LEVEL: below land surface													
ft. after 4 hrs. pumping at 60 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 30 to surface													
☐ Neat cement ☒ Bentonite ☐ Other _____													
No. of bags of cement _____ Additives _____													
13 Nearest source of possible contamination													
Type Septic Tank Distance 200 ft. Direction East													
Well disinfected upon completion? ☒ Yes ☐ No													
Was old well plugged? ☐ Yes ☐ No													
14 PUMP: ☐ Not Installed ☐ Pump Installation Only													
Manufacturer's name Grundfos													
Model number 16815-14 HP 11 Volts 230													
Length of Drop Pipe 60 ft. capacity 18 G.P.M.													
TYPE: ☒ Submersible ☐ Jet													
PRESSURE TANK													
Manufacturer's name Amtrol													
Model number WX 250 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.													
Raymer Company, Inc. 0384													
REGISTERED BUSINESS NAME REGISTRATION NO.													
Address 3311 Three Mile Rd., N.W., Grand Rapids													
Signed _____ Date Dec. 31, 1992													

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL	
County KENT	Township Name BYRON	Fraction 1/4 SE 1/4 SE 1/4	Section Number 31
		Town Number 05N N/S	Range Number 12W E/W
Distance And Direction From Road Intersection APPROX 1/8 MI W OF WILSON ON THE N SIDE OF 108TH 4099 108TH		Address 4099 108TH	
Street Address & City of Well Location		Address Same As Well Location? ☒ Yes ☐ No	
Locate with "X" in Section Below		4 WELL DEPTH: 101 FT. Date Completed 07/23/93	
		☒ 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: Diameter ☐ Steel ☐ Threaded ☒ Plastic ☒ Welded Height: Above/Below Surface _____ ft. Weight _____ lbs./ft. Drive Shoe ☐ Yes ☐ No	
2 FORMATION DESCRIPTION		8 SCREEN: ☐ Not Installed	
		Type PVC Diameter 5 IN Slot/Gauze 10 SLOT Length 5 FT Set between 95 ft. and 100 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other _____	
SOFT SANDY CLAY		9 STATIC WATER LEVEL	
SAND		_____ ft. below land surface ☐ Flow	
THICKNESS OF STRATUM 89.0		10 PUMPING LEVEL: below land surface	
DEPTH TO BOTTOM OF STRATUM 103.0		_____ ft. after AIR hrs. pumping at 30 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
RECEIVED AUG - 2 1993 KENT COUNTY HEALTH DEPARTMENT		11 WELL HEAD COMPLETION: ☐ Plug adapter ☒ 1" 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 3 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 MYERS Model number _____ HP 1 1/2 Volts 230 Length of Drop Pipe 80 ft. capacity 11 G.P.M. TYPE: ☒ Submersible ☐ Jet _____ PRESSURE TANK: Manufacturer's name WELL-MATE Model number 9 Capacity _____ Gallons	
15. Remarks, elevation, source of data, etc.		16. WATER WELL CONTRACTOR'S CERTIFICATION:	
USE A 2ND SHEET IF NEEDED 1922 00 1003		This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. DEWIND DRILLING 1922	
		REGISTERED BUSINESS NAME 9594 PT SHELD ZEELAND REGISTRATION NO. MI 49464 Signed <i>Jeff Dewind</i> Date 7-30-93 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: JEFF DEWIND			

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:	
County KENT	Township Name BYRON	Fraction NW 1/4 NE 1/4 SE 1/4	Section Number 31
		Town Number 5 N 1/2	Range Number 12 E 1/2
Distance And Direction From Road Intersection		Address 4188 104th	
Street Address & City of Well Location		Address Same As Well Location? ☒ Yes ☐ No	
Locate with "X" in Section Below		Date Completed MO. DAY YEAR 4 29 92	
Sketch Map:		☒ New Well ☐ Replacement Well	
		4 WELL DEPTH: 203 FT.	
		☐ 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 3.25 lbs./ft. Drive Shoe ☐ Yes ☒ No	
2 FORMATION DESCRIPTION CLAY Hyp & limestone Sandstone		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 _____	
THICKNESS OF STRATUM 140 20 40		9 STATIC WATER LEVEL: _____ ft. below land surface ☐ Flow	
		10 PUMPING LEVEL: below land surface _____ ft. after _____ hrs. pumping at 50 G.P.M. _____ ft. after _____ hrs. pumping at _____ G.P.M.	
DEPTH TO BOTTOM OF STRATUM 140 160 208		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 _____	
RECEIVED SEP 22 1992 KENT COUNTY HEALTH DEPARTMENT		13 Nearest source of possible contamination Type Septic Distance 20 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 Duro Model number _____ HP 1 Volts 220 Length of Drop Pipe 80 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Amtlox Model number X-TR 250 Capacity 13 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. BELL WELL Drilling 1194 REGISTERED BUSINESS NAME REGISTRATION NO. Address 390-13 MILL Rd Signed Michael O. Roberts Date 4-29-92 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name:			

TAX NO.

MICHIGAN WATER WELL AND PUMP RECORD

Permit No.

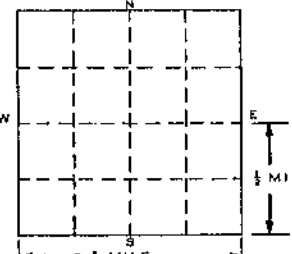
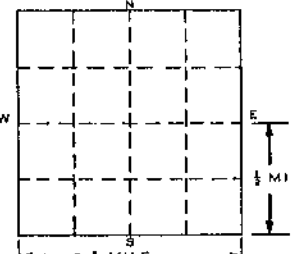
1 Location of Well		Township Name		Fraction		Section Number		Town Number		Range Number	
County KENT		BYRON		SE 1/4 SE 1/4 NW 1/4		31		5N N/S		12W E/W	
Distance and Direction From Road Intersection 3/4 MI. WEST OF WILSON AVE. & 100' NORTH OF 104TH AVE. 4545 104TH AVE. BYRON CENTER						3 Owner of Well POST, KEVIN Address 4545 104TH AVE. BYRON CENTER MI 49315-					
Street Address and City of Well Location						Address Same as Well Location? Yes					
Sketch Map						4 Well Depth (Completed) 136' ft. Date of Completion 10/10/96 New Well					
						5 Drilling Method ROTARY					
						6 Proposed Use DOMESTIC					
						7 Casing PLASTIC					
						8 Screen Not Installed Gravel-packed? No					
2 FORMATION DESCRIPTION						9 Static Water Level 23 Ft. Below Land Surface Flc					
SAND MIXED WITH RED CLAY						5 in. to 106 ft. depth Surface 1.00 ft.					
RED CLAY						in. to ft. depth Weight SDR21 lbs./ft.					
GRAYCLAY						Bore Hole Diameter					
SAND AND GRAVEL						7 7/8 in. to 106 ft. depth Drive Shoe No					
SAND ROCK MIXED WITH GRAVEL						4 1/2 in. to 136 ft. depth Shale Packer No					
SAND ROCK						10 Pumping Level Below Land Surface					
						35 ft. after 1 hrs. pumping at 60 G.P.M.					
						ft. after hrs. pumping at G.P.M.					
						Using AIR					
						11 Well Head Completion PITLESS ADAPTER					
						12 Well Grouted? Yes From 0 to 106 ft.					
						BENTONITE					
						No. of bags of cement 10 Additives					
						13 Nearest Source of Possible Contamination					
						SEPTIC Distance 70 ft. Direction N					
						Distance ft. Direction					
15 Abandoned well plugged? No						14 Pump Installed Pump Installation Only? No					
Casing Diameter in. Depth ft.						Manufacturer's Name GRUNDFOS					
Casing removed? No						Model Number 10SU7-12 HP 3/4 Volts 230					
						Length of Drop Pipe 60 ft. Capacity 10 G.P.M.					
						Type SUBMERSIBLE Jet					
16 Remarks, elevation, source of data, etc.						Pressure tank:					
						Manufacturer's Name CHAMPION					
						Pressure Tank Model CM-205 Capacity 12 gal.					
17 Drilling machine operator:						18 Water Well Contractor's Certification:					
Employee						This well was drilled under my jurisdiction and this report is true					
Name DAVE HAZEN						to the best of my knowledge and belief.					
Authority: Act 368 PA 1978						Registered business name: KRAAI WELL DRILLING, INC.					
Completion: Required.						Registration number: 03-1601					
Penalty: Conviction of violation of any						Address: 110 124TH AVE, SHELBYVILLE, MI 49344					
provision is a misdemeanor.						Signed: <u>Ronald Kraai</u> Date <u>10-14-96</u>					
IMPORTANT: File with deed.						(Authorized representative)					

GEOLOGICAL SURVEY

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 Kent		Byron		SW 1/4 SW 1/4 NE 1/4	31	5	12
Distance and Direction from Road Intersection		3. OWNER OF WELL					
Street Address & City of Well Location		Address MASON MILLER 4393 104th BYRON Center, Mich					
Locate with 'x' in Section Below		Address Same as Well Location ☒ Yes ☐ No					
		Sketch Map		4. WELL DEPTH: 122 ft. Date Completed Aug 20 96 ☒ New Well ☐ Replacement Well			
				5. ☐ Cable Tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow Rod ☐ Auger/Bored ☐ Jetted ☐			
2. FORMATION DESCRIPTION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		6. USE: ☒ Household ☐ Type I Public ☐ Type III Public	
SANDY CLAY		14		14		☐ Irrigation ☐ Type IIa Public ☐ Heat Pump	
BROWN CLAY		11		25		☐ Test Well ☐ Type IIb Public ☐	
GRAY CLAY		70		95		7. CASING: ☐ Steel ☐ Threaded	
SANDSTONE		27		122+		☒ Plastic ☐ Welded	
						Height: Above Below Surface: 7 ft.	
						Diameter: 5 in. to 9 7/8 in. depth	
						Weight: 3 lbs./ft.	
						BORE HOLE: 7 7/8 in. to 8 in. depth	
						☐ Drive Shoe ☐ Shale Packer	
						8. SCREEN: ☐ Not Installed ☐ Gravel-Packed	
						Type ROCKWELL Diameter	
						Slot/Gauze Length:	
						Set Between ft. and ft.	
						FITTINGS: ☐ K-Packer ☐ Bremer Check	
						☐ Blank Above Screen ft. Other	
						9. STATIC WATER LEVEL: 21 ft. Below Land Surface ☐ Flowing	
						10. PUMPING LEVEL: Below Land Surface	
						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 ☒ Yes From 0 to 9 7/8 ft.	
						☐ Neat Cement ☒ Bentonite ☐ Other	
						No. of Bags BEN-SEAL Additives E-Z mud	
						13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:	
						Type Septic Distance 65 ft. Direction N	
						Type Distance ft. Direction	
USE A 2ND SHEET IF NEEDED						14. PUMP: ☐ Not Installed ☐ Pump Installation Only	
15. ABANDONED WELL PLUGGED? ☐ Yes ☐ No						Manufacturer's Name Aermotor	
Casing Diameter in. Depth ft.						Model Number 12-5-85A HP 1/2 Volts 115	
PLUGGING MATERIAL: ☐ Neat Cement ☐ Bentonite Slurry						Length of Drop Pipe 60 ft. Capacity 12 G.P.M.	
☐ Cement/Bentonite Slurry ☐ Concrete Grout ☐ Bentonite Chips						TYPE: ☐ Submersible ☐ Jet ☐ Other	
No. of Bags Casing Removed? ☐ Yes ☐ No						PRESSURE TANK:	
						Manufacturer's Name A.O. Smith	
						Model Number V60 Capacity 19.9 Gallons 6.100	
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.	
						Ricketts Well Drilling 1193	
						REGISTERED BUSINESS NAME REGISTRATION NO.	
						Address 1184 Byron Rd. Byron Center, Mich	
						Signed Ron Ricketts Date Aug 22-96	
						AUTHORIZED REPRESENTATIVE	
17. DRILLING MACHINE OPERATOR:						Authority: Act 368 PA 1978	
☐ Employee ☐ Subcontractor						Completion: Required	
Name Ron Ricketts						Penalty: 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 KENT	Township Name BYRON	Fraction SW 1/4 SE 1/4	Section Number 31																														
		Town Number 05N N/S	Range Number 12W E/W																														
Distance And Direction From Road Intersection 4303 108TH BYRON CENTER Street Address & City of Well Location Locate with "X" in Section Below 		LANCASTER CONSTRUCTION Address 6739 VINTAGE DR. HUDSONVILLE, MI 49426 Address Same As Well Location? ☒ Yes ☐ No																															
Sketch Map: 		4 WELL DEPTH: 144 FT. Date Completed 06-08-89 ☒ 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 ☐ Diameter 4 in. to 15.5 ft. depth ☐ Grouted Drill Hole Diameter 4 in. to 15.5 ft. depth ☐ Height: Above/Below Surface 1 ft. ☐ Weight 11 lbs./ft. ☒ Drive Shoe ☐ Yes ☐ No																															
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>FILL</td><td>2.0</td><td>2.0</td></tr> <tr><td>SANDY RED CLAY</td><td>7.0</td><td>9.0</td></tr> <tr><td>SANDY GRAY CLAY & GRAVEL</td><td>65.0</td><td>74.0</td></tr> <tr><td>GRAY CLAY W/S GRAVEL</td><td>26.0</td><td>100.0</td></tr> <tr><td>GRAY CLAY</td><td>8.0</td><td>108.0</td></tr> <tr><td>GRAVEL W/S CLAY</td><td>19.0</td><td>127.0</td></tr> <tr><td>CLAY W/S GRAVEL</td><td>8.0</td><td>135.0</td></tr> <tr><td>SAND & GRAVEL</td><td>10.0</td><td>145.0</td></tr> <tr><td>CLAY & GRAVEL</td><td>5.0</td><td>150.0</td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	FILL	2.0	2.0	SANDY RED CLAY	7.0	9.0	SANDY GRAY CLAY & GRAVEL	65.0	74.0	GRAY CLAY W/S GRAVEL	26.0	100.0	GRAY CLAY	8.0	108.0	GRAVEL W/S CLAY	19.0	127.0	CLAY W/S GRAVEL	8.0	135.0	SAND & GRAVEL	10.0	145.0	CLAY & GRAVEL	5.0	150.0	8 SCREEN: ☐ Not Installed Type STAINLESS Diameter 4" Slot/Gauze .015 Length 5' Set between 139 ft. and 144 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☒ Blank above screen 1 ft. Other RED COUP	
FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																															
FILL	2.0	2.0																															
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SAND & GRAVEL	10.0	145.0																															
CLAY & GRAVEL	5.0	150.0																															
9 STATIC WATER LEVEL: 83 ft. below land surface ☐ Flow		10 PUMPING LEVEL: below land surface 135 ft. after 1 hrs. pumping at 20 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 DRLEMD No. of bags of cement _____ Additives 58GSH1PLG																															
13 Nearest source of possible contamination Type SEPTIC Distance 100' Direction SW Well disinfected upon completion? ☒ Yes ☐ No Was old well plugged? ☐ Yes ☐ No		14 PUMP: ☐ Not Installed ☐ Pump Installation Only Manufacturer's name BOULDS Model number 10EJO741 HP 3/4 Volts 230 Length of Drop Pipe P1" 100 ft. capacity 315# 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: AQUA AIR Manufacturer's name _____ Model number V-100 Capacity 32 Gallons																															
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. BUER WELL DRILLING 41-0073 REGISTERED BUSINESS NAME REGISTRATION NO. Address 239 E. MAIN, CALEDONIA, MI 49316 Signed <i>Norman P. Buer</i> Date 6-19-89 AUTHORIZED REPRESENTATIVE																															
17. Rig Operator's Name: STEVEN BUER		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 LOCATION OF WELL		3 OWNER OF WELL:																															
County Kent	Township Name Byron	Fraction 1/4 1/4 1/4	Section Number 31																														
		Town Number 5 N/A	Range Number 12 N/W																														
Distance And Direction From Road Intersection 500' South of 104th Street - West of Wilson Ave.		Address 4300 104th Street, S.W., Byron Center																															
Street Address & City of Well Location 4300 104th St., Byron Center		Address Same As Well Location? ☒ Yes ☐ No																															
Locate with "X" in Section Below		4 WELL DEPTH: 115 FT. Date Completed MO. 7 DAY 14 YEAR 89																															
		☒ 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 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>Brown Clay</td><td>15</td><td>15</td></tr> <tr><td>Sandy Brown Clay & Gravel</td><td>8</td><td>23</td></tr> <tr><td>Gray Clay</td><td>2</td><td>25</td></tr> <tr><td>Gray Clay & Gravel</td><td>7</td><td>32</td></tr> <tr><td>Brown Clay</td><td>18</td><td>50</td></tr> <tr><td>Brown Clay & Gravel</td><td>3</td><td>53</td></tr> <tr><td>Gray Clay</td><td>39</td><td>92</td></tr> <tr><td>Sand & Gravel *T.D.</td><td>23</td><td>115*</td></tr> <tr><td>Gray Clay</td><td>5</td><td>120</td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Brown Clay	15	15	Sandy Brown Clay & Gravel	8	23	Gray Clay	2	25	Gray Clay & Gravel	7	32	Brown Clay	18	50	Brown Clay & Gravel	3	53	Gray Clay	39	92	Sand & Gravel *T.D.	23	115*	Gray Clay	5	120	6 USE: ☒ Domestic ☐ Type I Public ☐ Type III Public ☐ Irrigation ☐ Type IIa Public ☐ Heat pump ☐ Test Well ☐ Type IIb Public ☐	
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Brown Clay & Gravel	3	53																															
Gray Clay	39	92																															
Sand & Gravel *T.D.	23	115*																															
Gray Clay	5	120																															
7 CASING: Diameter ☐ Steel ☒ Threaded ☐ Plastic ☒ Welded 5 in. to 110 ft. depth Grouted Drill Hole Diameter _____ in. to _____ ft. depth _____ in. to _____ ft. depth _____ in. to _____ ft. depth		Height: Above/Below Surface 1 ft. Weight 2.8 lbs./ft. Drive Shoe ☐ Yes ☒ No																															
		8 SCREEN: ☐ Not Installed Type Stainless St. Diameter 4" Slot/Gauge 15 Length 5' Set between 110 ft. and 115 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Brainer Check ☐ Blank above screen _____ ft. Other Screwed																															
		9 STATIC WATER LEVEL: 52 ft. below land surface ☐ Flow																															
		10 PUMPING LEVEL: below land surface _____ ft. after 4 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 110 to surface ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____																															
		13 Nearest source of possible contamination Type Septic tank Distance 80 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 Aermotor Model number A12-75 HP 3/4 Volts 230 Length of Drop Pipe 100 ft. capacity 15 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: Manufacturer's name Amtrol Model number WX 203 Capacity _____ Gallons																															
		15. Remarks, elevation, source of data, etc.																															
17. Rig Operator's Name:		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 Company, Inc. 0384 REGISTERED BUSINESS NAME REGISTRATION NO. Address 3311 Three Mile Rd., N.W., Grand Rapids, MI. Signed <i>[Signature]</i> Date Aug. 28, 1989 AUTHORIZED REPRESENTATIVE																															

USE A 2ND SHEET IF NEEDED

MICHIGAN DEPARTMENT OF PUBLIC HEALTH

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL			3 OWNER OF WELL:	
County KENT	Township Name DYRON	Fraction SW 1/4 SW 1/4 SE 1/4	Section Number 31	Town Number 5N N/S
			Range Number 11W E/W	
Distance And Direction From Road Intersection Street Address & City of Well Location Locate with "X" in Section Below			STU LONGSTREET Address 452 100TH BYRON CENTER, MI 49315 Address Same As Well Location? ☒ Yes ☐ No	
			4 WELL DEPTH: 180 FT. Date Completed 05-16-89	
			☒ New Well ☐ Replacement Well	
			5 ☐ Cable tool ☒ Rotary ☐ Driven ☐ Dug ☐ Hollow rod ☐ Auger ☐ Jatted ☐	
			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 Surface 1 ft. Weight 11 lbs./ft. Drive Shoe ☒ Yes ☐ No	
			8 SCREEN: ☐ Not Installed Type STAINLESS Diameter 4" Slot/Gauze .015 & .012 7' Set between 173 ft. and 180 ft. FITTINGS: ☒ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen 1 RED COUP.	
			9 STATIC WATER LEVEL: 96 ft. below land surface ☐ Flow	
			10 PUMPING LEVEL: below land surface 96 ft. after 1 hrs. pumping at 21 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 DRILL MUD No. of bags of cement _____ Additives 3BGSHL PLG	
			13 Nearest source of possible contamination Type SEPTIC Distance 100 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 GOULDS Model number 18E15 HP 1 1/2 Volts 230 Length of Drop Pipe 51.25" 147 Capacity 240# 30 G.P.M. TYPE: ☒ Submersible ☐ Jet PRESSURE TANK: RAPIDAYTON Manufacturer's name _____ Model number RAP 220 Capacity 85 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. BUER WELL DRILLING 41-0073 REGISTERED BUSINESS NAME REGISTRATION NO. Address 239 E MAIN CALEDONIA, MI 49316 Signed <i>Norman P. Buer</i> Date 5-26-89 AUTHORIZED REPRESENTATIVE	
17. Rig Operator's Name: STEVEN BUER				



MAR 12 1973

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Kent Township Name Byron Fraction NE 1/4 NE 1/4 NW 1/4 Section Number 31 Town Number 5 Range Number 12 N/X X/W.

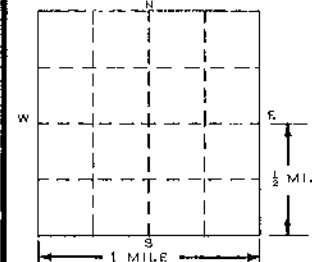
Distance And Direction from Road Intersections

800' South of 100th St.
100' South of Creek

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Mock	4	4
Clay (sandy)	10	14
Clay	8	22
Clay (sandy)	30	52
Clay (gray)	16	68
Hard pan	10	78
Clay	38	116
Marshall sandstone	101	217

3 OWNER OF WELL:

Gerald Kubbers
Address 4398 100th St. S.W.
Byron Center Mich.

4 WELL DEPTH: (completed) Date of Completion

217 ft. Oct 31 - 72

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 117 ft. Depth Weight 11 lbs./ft.
in. to ft. Depth Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: None Dia.: 4"
Slot/Gauze _____ Length _____
Set between _____ ft. and _____ ft.
Fittings: _____

9 STATIC WATER LEVEL Ground level
100 ft. below land surface

10 PUMPING LEVEL below land surface
_____ ft. after _____ hrs. pumping _____ g.p.m.
_____ ft. after _____ hrs. pumping 70 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
100 feet N Direction Creek 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.

ADDED INFO. BY DRILLER, DEM MABCORRECTED BY [Signature]ADDITION [Signature]

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.S. KAYMER Co 0384
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 3314 3rd St. S.E. GR Mich

Signed [Signature] Date Dec 72
AUTHORIZED REPRESENTATIVE

TAX NO:

MICHIGAN DEPARTMENT OF PUBLIC HEALTH WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County

Township Name

Fraction

Section No.

Town No.

Range No.

Kent**Byron**

1/4

1/4

1/4

31**5N****12W**

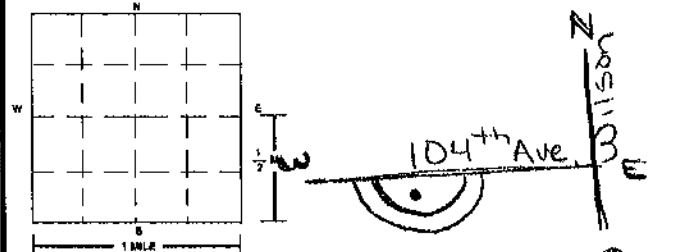
Distance and Direction from Road Intersection

1/2 mile W of Wilson
500 ft. S of 104th Ave.

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM**Sandy Clay****5****5****Clay & Gravel****36****41****Fine Sand****3****44****Clay****19****63****Sand****13****76****Clay****13****89****Sand****14****103****Clay & Gravel****47****150****Shale & Lime Stone****15****165****SandStone****43****208**

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 ☐ SubcontractorName **C. Kage**

GW-2-226 9/93

3. OWNER OF WELL

Address

Roger Abbott**4390 104th Ave.**Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

☒ New Well☐ Replacement Well**208** ft.**10 / 13 / 94**5. ☐ 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 Public7. CASING: ☐ Steel☐ Threaded☒ Plastic☒ Welded☐ Other

Height: Above/Below

Surface: **1** ftDiameter: **7 7/8** in. to **165** ft. depthWeight: **2.8** lbs./ft.**4 1/2** in. to **208** ft. depth

BORE HOLE:

Diameter: _____ in. to _____ 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:

75 ft. Below Land Surface☐ Flowing

10. PUMPING LEVEL: Below Land Surface

_____ ft. After **5** 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 ☐ YesFrom **160** to **Surf.** ft.☐ Neat Cement☒ Bentonite☐ Other _____

No. of Bags _____

Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type **Septic**Distance **65** ft.Direction **SE**

Type _____

Distance _____ ft.

Direction _____

14. PUMP: ☐ Not Installed☐ Pump Installation OnlyManufacturer's Name **Grundfos**Model Number **16S15-14**HP **1 1/2**Volts **230**Length of Drop Pipe **140** ft.Capacity **16** G.P.M.TYPE: ☒ Submersible☐ Jet☐ Other _____

PRESSURE TANK:

Manufacturer's Name **Used Owners**

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.

Raymer Co., Inc.

REGISTERED BUSINESS NAME

0384

REGISTRATION NO.

Address **1357 Comstock St. Marne, MI**Signed **Calvin P. Beck**

AUTHORIZED REPRESENTATIVE

Date **12-5-94**

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 WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County **Kent**Township Name **Byron**

Fraction

1/4 1/4 1/4

Section No.

31

Town No.

SN

Range No.

12W

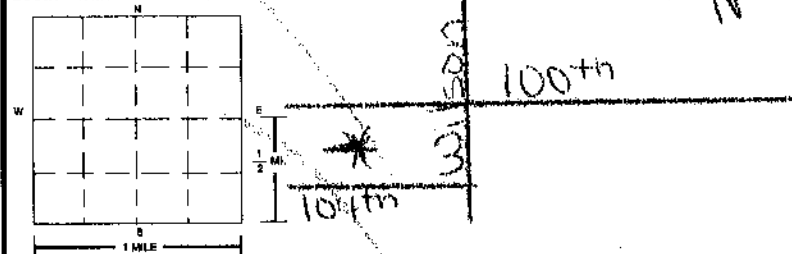
Distance and Direction from Road Intersection

400' W of Wilson
1/2 mile S of 100th

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



3. OWNER OF WELL

Address

Dan Conklin**10351 Wilson SW****Byron Center, MI 49315**Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

102

ft.

Date Completed

11/6/96☒ New Well☐ Replacement Well5. ☐ 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☒ Plastic☒ Welded☐ Other

Height: Above/Below

Surface: **1.5** ftDiameter: **5** in.to **92** ft. depthWeight: **2.8** lbs./ft.

BORE HOLE:

Diameter: **8** in.to **105** ft. depth☐ Drive Shoe☐ Shale Packer

8. SCREEN:

☐ Not Installed☒ Gravel-PackedType **PVC**Diameter **5"**Slot/Grit **12**Length: **10'**Set Between **92**ft. and **102**

FITTINGS:

☐ K-Packer☐ Bremer Check☐ Blank Above Screenft. Other **Glued**

9. STATIC WATER LEVEL:

55

ft. Below Land Surface

☐ Flowing

10. PUMPING LEVEL: Below Land Surface

80ft. After **2** 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☒ YesFrom **85** to **0** ft.☐ Neat Cement☒ Bentonite☐ OtherNo. of Bags **8**

Additives

Quick Grout

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type **Septic**Distance **65** ft.Direction **SW**

Type

Distance

ft. Direction

14. PUMP:

☐ Not Installed☐ Pump Installation OnlyManufacturer's Name **Aermotor**Model Number **T12-100**HP **1**Volts **230**Length of Drop Pipe **80** ft.Capacity **12** G.P.M.TYPE: ☒ Submersible☐ Jet☐ Other

PRESSURE TANK:

Manufacturer's Name **Amtrol**Model Number **WX250**

Capacity

Gallons

2. FORMATION DESCRIPTION

THICKNESS OF STRATUM

DEPTH TO BOTTOM OF STRATUM

Sand**8****8****Brown Clay****13****21****Sand & Fine Gravel****5****26****Brown Clay****12****38****Sand****12****50****Brown Clay****3****53****Sand****45****98*****Gravel****T.D.****4****102*****Gray Clay****3****105**

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?

☐ Yes ☐ NoCasing Diameter **8** in.Depth **105** 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 ☐ SubcontractorName **J.L. Neubecker**

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.

Raymer Co., Inc.**0384**

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **1357 Comstock St. Marne, MI**Signed **John Neubecker, Inc.** Date **1-2-97**

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.

JNS 2-18

TAX NO:	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:
1. LOCATION OF WELL County KENT	Township Name BYRON	Fraction SE 1/4 SW 1/4 SE 1/4	Section No. 31	Town No. 5 N	Range No. 12 W

Distance and Direction from Road Intersection

4225 108TH ST SW

Street Address & City of Well Location **BYRON CENTER, MI**

Locate with 'x' in Section Below

Sketch Map

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
CLAY (RED SOME SAND & ROCKS)	35	35
CLAY (GRAY SOME SAND & GRAVEL)	73	108
SAND (FINE SOME CLAY)	6	114
CLAY (GRAY)	58	172
SAND MEDIUM	2	174
SHALE	1	175
SAND & FINE GRAVEL	12	187
SHALE	3	190

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.)

NITRATES 0 PPM IRON .1 PPM HARDNESS 15 GR

750# BADGER FILTER PACK

17. DRILLING MACHINE OPERATOR:

☐ Employee ☐ Subcontractor

Name **STEVE BUER** #2028

3. OWNER OF WELL

Address **BOB TIMMER**
7869 OAK TREE LANE
HUDSONVILLE, MI 49426

Address Same as Well Location ☐ Yes ☒ No

4. WELL DEPTH: **186** ft. Date Completed **2 / 5 / 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 **177** ft. depth

BORE HOLE: Diameter: **8** in. to **190** ft. depth

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

Weight: **2.95** lbs./ft.

☐ Drive Shoe ☐ Shale Packer

8. SCREEN: ☐ Not Installed ☒ Gravel-Packed

Type **PVC WIRE WRAP** Diameter **3"**

Slot/Gauze **.020** Length: **91**

Set Between **177** ft. and **186** ft.

FITTINGS: ☒ K-Packer ☐ Bremer Check

☒ Blank Above Screen **.5** ft. Other **SS CENTRLZ**

9. STATIC WATER LEVEL: **91 1/2** ft. Below Land Surface ☐ Flowing

10. PUMPING LEVEL: Below Land Surface

172 ft. Alter **1** hrs. Pumping at **75** 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 **169** ft.

☐ Neat Cement ☒ Bentonite ☐ Other _____

No. of Bags **13** Additives _____

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:

Type **SEPTIC** Distance **50** ft. Direction **NE**

Type _____ Distance _____ ft. Direction _____

14. PUMP: ☐ Not Installed ☐ Pump Installation Only

Manufacturer's Name **GOULDS**

Model Number **18GS15** HP **1 1/2** Volts **230**

Length of Drop Pipe **11 1/2** ft. Capacity **40#25** G.P.M.

TYPE: ☒ Submersible ☐ Jet ☐ Other _____

PRESSURE TANK:

Manufacturer's Name **WELL RITE**

Model Number **WR 260** Capacity **85** 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.

BUER WELL DRILLING **41-1772**

REGISTERED BUSINESS NAME REGISTRATION NO.

Address **239 E. MAIN, CALEDONIA, MI 49316**

Signed *Norman P. Buer* Date **2/10/98**

AUTHORIZED REPRESENTATIVE

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY WATER WELL AND PUMP RECORD

PERMIT NO:

1. LOCATION OF WELL

County

Kent

Township Name

Byron

Fraction

1/4 NW 1/4 SW 1/4

Section No.

31

Town No.

05N

Range No.

12W

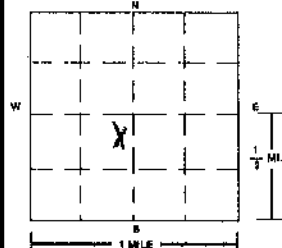
Distance and Direction from Road Intersection

Approx 1/2 mi W of Wilson on the S side of 104th

Street Address & City of Well Location

Locate with 'x' in Section Below

Sketch Map



104th

X

W. 1/2

2. FORMATION DESCRIPTION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

Sand & Clay

10.0

10.0

Clay

20.0

30.0

Sand & Clay

20.0

50.0

Gravel

20.0

70.0

3. OWNER OF WELL

Address

Theodore & Mary Boomsma

4437 104th SW

Address Same as Well Location ☒ Yes ☐ No

4. WELL DEPTH:

Date Completed

☒ New Well☐ Replacement Well

70

ft.

08/13/97

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: _____ ft.

Diameter: 5 in. to 63 ft. depth

Weight: _____ lbs./ft.

_____ in. to _____ ft. depth

BORE HOLE:

Diameter: 7.875 in. to 70 ft. depth

☐ Drive Shoe☐ Shale Packer

_____ in. to _____ ft. depth

8. SCREEN:

☐ Not Installed☒ Gravel-Packed

Type: pvc

Diameter: 5 in.

Slot/Gauze: 7 slot

Length: 6 ft.

Set Between: 63 ft. and 70 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

_____ ft. After _____ 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 63 to 0 ft.

☐ Neat Cement☒ Bentonite☐ Other

No. of Bags: 6

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

HP 1/2 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

9

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: Jay Currie

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.

DeWind Drilling

2148

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address: 9594 Pt. Sheldon Zeeland, MI 49464

Signed

Jay Currie

Date: 8/25/97

AUTHORIZED REPRESENTATIVE

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

PERMIT NUMBER

1. LOCATION OF WELL		3. OWNER OF WELL:										
County <u>Kent</u>	Township Name <u>BYRON</u>	Fraction <u>S.W. 1/4 SE 1/4</u>	Section Number <u>31</u> Town Number <u>5</u> Range Number <u>12</u>									
Distance And Direction From Road Intersection		Address <u>DUANE HUITEMA</u> <u>4255 108th</u> <u>BYRON CENTER, Mich.</u>										
Street Address & City of Well Location		Address Same As Well Location? ☐ Yes ☒ No <u>49X5</u>										
Locate with "X" in Section Below		4 WELL DEPTH: <u>186</u> FT. Date Completed <u>8/22/94</u> ☒ New Well ☐ Replacement Well										
		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 <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><u>CLAY</u></td> <td><u>172</u></td> <td><u>172</u></td> </tr> <tr> <td><u>COARSE SAND</u></td> <td><u>14</u></td> <td><u>186+</u></td> </tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	<u>CLAY</u>	<u>172</u>	<u>172</u>	<u>COARSE SAND</u>	<u>14</u>	<u>186+</u>	7 CASING: Diameter ☐ Steel ☒ Plastic ☐ Threaded ☐ Welded <u>5</u> in. to <u>176</u> ft. depth <u>18</u> in. to <u>186</u> ft. depth Graded Drill Hole Diameter <u>18</u> in. to <u>186</u> ft. depth	
		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM								
<u>CLAY</u>	<u>172</u>	<u>172</u>										
<u>COARSE SAND</u>	<u>14</u>	<u>186+</u>										
		Height: Above/Below Surface <u>3</u> ft. Weight <u>3#</u> lbs./ft. Drive Shoe ☐ Yes ☒ No										
		8 SCREEN: ☐ Not Installed Type <u>SAW SLOT</u> Diameter <u>FULL 4"</u> Slot/Gauze <u>12</u> Length <u>10</u> Set between <u>176</u> ft. and <u>186</u> ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Brainer Check ☐ Blank above screen <u>2</u> ft. Other _____										
		9 STATIC WATER LEVEL: <u>90</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: ☒ Well adapter ☐ 12" above grade ☐ Basement offset ☐ Approved pit										
		12 WELL GROUTED? ☐ No ☒ Yes From <u>0</u> to <u>150</u> ft. ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____										
		13 Nearest source of possible contamination Type <u>NONE AT TIME</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>MYERS</u> Model number <u>2N102-12</u> HP <u>1</u> Volts <u>220</u> Length of Drop Pipe <u>120</u> ft. capacity <u>14.5</u> G.P.M. TYPE: ☐ Submersible ☐ Jet PRESSURE TANK: <u>A-O Smith</u> Manufacturer's name <u>V140</u> Capacity <u>45</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>Ricketts Well Only</u> <u>1193</u> REGISTERED BUSINESS NAME <u>1184 Byron Rd Byron Center Mich</u> REGISTRATION NO. Address <u>Ron Ricketts</u> Signed <u>8-22-94</u> Date AUTHORIZED REPRESENTATIVE										
17. Rig Operator's Name:												

USE A 2ND SHEET IF NEEDED

MAR 12 1972 WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

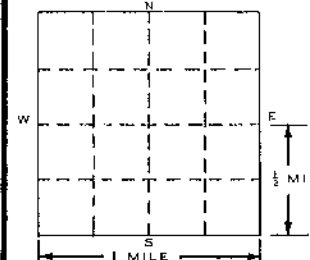
County Kent Township Name Byron Fraction SW 1/4 SW 1/4 Section Number 31 Town Number 5 Range Number 12 NW

Distance And Direction from Road Intersections
75' east of Kenowa

Street address & City of Well Location 10544 Kenowa

Locate with "X" in section below

Sketch Map:



3 OWNER OF WELL:

Address John Swartz
10544 Kenowa
Byron Center Mich

4 WELL DEPTH: (completed) Date of Completion

250 ft. 1-12-72

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 1 ft.
Diam. Surface 1 ft.

4 in. to 191 ft. Depth Weight 11 lbs./ft.
in. to ft. Depth Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: None Dia.:
Slot/Gauze Length
Set between ft. and ft.
Fittings:

9 STATIC WATER LEVEL

102 ft. below land surface

10 PUMPING LEVEL below land surface

 ft. after hrs. pumping g.p.m.
2 ft. after hrs. pumping 50 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 191 ft.

14 Nearest Source of possible contamination

75 feet E Direction Septic Tank Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed
Manufacturer's Name RED JACKET
Model Number 575 N1 HP 3 Volts 220
Length of Drop Pipe 150 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, 11/11/72

CORRECTED BY B

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.

REGISTERED BUSINESS NAME C.S. Raynes Co.

REGISTRATION NO. 0384

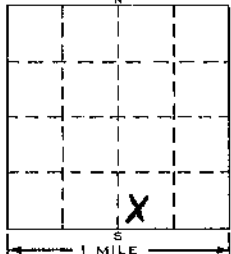
Address 3311 27th St NW CR Mich

Signed C.S. Raynes Date 3-4-72

WATER WELL RECORD

ACT 294 PA 1985

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL		County <u>Kent</u>		Township Name <u>Byron</u>		Fraction <u>SE 1/4 SE 1/4 NW 1/4</u>		Section Number <u>31</u>		Town Number <u>5 N.W.</u>		Range Number <u>12 E.W.</u>	
Distance And Direction from Road Intersections <u>1/2 mi. W. of Wilson on 104th</u>						3 OWNER OF WELL: Mrs. Dennis Weber Address <u>104th St. Byron Center Mich</u>							
Street address & City of Well Location Locate with "X" in section below						4 WELL DEPTH: (completed) Date of Completion <u>145</u> ft. <u>Feb 11-70</u>							
Sketch Map: 						5 ☐ Cable tool ☐ Rotary ☐ Driven ☐ Dug ☒ Hollow rod ☐ Jatted ☐ Borod ☐							
						6 USE: ☒ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Air Conditioning ☐ Commercial ☐ Test Well ☐							
						7 CASING: Threaded ☒ Welded ☐ Diam. <u>3</u> in. to <u>103</u> ft. Depth Height: Above/Surface <u>1</u> ft. Weight <u>270</u> lbs./ft. Drive Shoe? Yes ☒ No ☐							
2 FORMATION		THICKNESS OF STRATUM		DEPTH TO BOTTOM OF STRATUM		8 SCREEN: <u>no screen used</u> Type: _____ Dia.: _____ Slot/Gauze _____ Length _____ Set between _____ ft. and _____ ft. Fittings: _____							
<u>Clay</u>		<u>15</u>		<u>15</u>		9 STATIC WATER LEVEL <u>43</u> ft. below land surface							
<u>dry sand & gravel</u>		<u>30</u>		<u>45</u>		10 PUMPING LEVEL below land surface _____ ft. after _____ hrs. pumping _____ g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m.							
<u>dirty water sand</u>		<u>58</u>		<u>103</u>		11 WATER QUALITY in Parts Per Million: Iron (Fe) _____ Chlorides (Cl) _____ Hardness _____ Other _____							
<u>water bearing marshall rock</u>		<u>42</u>		<u>145</u>		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 <u>100</u> feet <u>W</u> Direction <u>septic tank</u> Type _____ Well disinfected upon completion ☒ Yes ☐ No							
						15 PUMP: ☐ Not installed Manufacturer's Name <u>Dayton</u> Model Number <u>10E2</u> HP <u>1</u> Volts <u>220</u> Length of Drop Pipe <u>40</u> ft. capacity <u>15</u> G.P.M. Type: ☐ Submersible ☒ Jet ☐ Reciprocating							
16 Remarks, elevation, source of data, etc. ADDED INFO. BY DRILLER, ITEM NO. CORRECTED BY REVISION 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>Alden J. Weber</u> REGISTERED BUSINESS NAME _____ REGISTRATION NO. _____ Address <u>3825 Byron Center Ave.</u> <u>0219</u> Signed <u>Alden J. Weber</u> Date <u>Feb 11-70</u> AUTHORIZED REPRESENTATIVE							

3 NOV - 5 1976

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

1 LOCATION OF WELL

County Kent Township Name Byron Fraction SW 1/4 NW 1/4 Section Number 31 Town Number T5 N.B. Range Number R12 W.

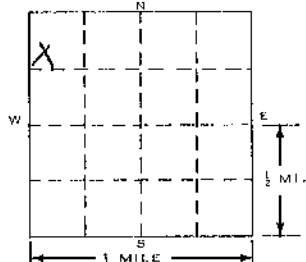
Distance And Direction from Road Intersections

10130 Kenowa SW
Byron Center

Street address & City of Well Location

Locate with "X" in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM

sand	10	10
clay	28	38
sand & clay	7	45
clay & gravel	37	82
gravel	8	90

3 OWNER OF WELL:

Address

Wesley Van Salkema
10130 Kenowa SW
Byron Center, Mich

4 WELL DEPTH: (completed) Date of Completion

90 ft. 9-24-76

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

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

7 CASING: Threaded ☒ Welded ☐ Height: Above/Below
Diam. _____ ft.

4 in. to 85 ft. Depth Weight 11 lbs./ft.
in. to _____ ft. Depth Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: Plastic Dia. 4
Slot 10 Length 5
Set between 85 ft. and 90 ft.
Fittings: 3x4" IT packer

9 STATIC WATER LEVEL

35 ft. below land surface

10 PUMPING LEVEL below land surface

40 ft. after 1 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 _____ 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 Spill out in Type
Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed

Manufacturer's Name Barkley

Model Number 4BL 12 HP 3 Volts 230

Length of Drop Pipe 43 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 S.P.

**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.

R. Henshaw Well Drilling 0065
REGISTERED BUSINESS NAME REGISTRATION NO.

Address 4944 100th St Caledonia

Signed Roy Henshaw Date 9-27-76

AUTHORIZED REPRESENTATIVE

WATER WELL AND PUMP RECORD

PERMIT NUMBER

1 LOCATION OF WELL		3 OWNER OF WELL:																									
County Kent	Township Name Byron	Fraction NE 1/4 NW 1/4 SE 1/4	Section Number 31																								
		Town Number 5	Range Number 12																								
Distance And Direction From Road Intersection 300' South of 104th St. - 1/4 Mile West of Wilson Avenue Street Address & City of Well Location 4390 104th St., B.C. Locate with "X" in Section Below 		Mr. Roger Abbott Address 4390 104th Street, Byron Center Address Same As Well Location? ☒ 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>Sand</td><td>7</td><td>7</td></tr> <tr><td>Sandy Clay</td><td>15</td><td>22</td></tr> <tr><td>Clay & Gravel</td><td>17</td><td>39</td></tr> <tr><td>Sandy Clay</td><td>10</td><td>49</td></tr> <tr><td>Gray Clay</td><td>10</td><td>59</td></tr> <tr><td>Fine Sand</td><td>8</td><td>67</td></tr> <tr><td>Medium Sand</td><td>9</td><td>76</td></tr> </tbody> </table>		FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM	Sand	7	7	Sandy Clay	15	22	Clay & Gravel	17	39	Sandy Clay	10	49	Gray Clay	10	59	Fine Sand	8	67	Medium Sand	9	76	4 WELL DEPTH: 76 FT. Date Completed MO. 4 DAY 19 YEAR 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 ☒ Plastic ☐ Welded Height: Above/Below Surface 1 ft. Weight 2.8 lbs./ft. Grouted Drill Hole Diameter 8 in. to 76 ft. depth Drive Shoe ☐ Yes ☒ No	
FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM																									
Sand	7	7																									
Sandy Clay	15	22																									
Clay & Gravel	17	39																									
Sandy Clay	10	49																									
Gray Clay	10	59																									
Fine Sand	8	67																									
Medium Sand	9	76																									
8 SCREEN: ☐ Not Installed Type PVC Diameter 5" Slot/Screen 12 Length 10' Set between 66 ft. and 76 ft. FITTINGS: ☐ K-Packer ☐ Lead Packer ☐ Bremer Check ☐ Blank above screen _____ ft. Other _____		9 STATIC WATER LEVEL: 38 ft. below land surface ☐ Flow																									
10 PUMPING LEVEL: below land surface _____ ft. after 4 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 30 to surface ☐ Neat cement ☒ Bentonite ☐ Other _____ No. of bags of cement _____ Additives _____		13 Nearest source of possible contamination Type Septic Distance 60 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 Aermotor Model number T12-75 HP 3/4 Volts 230 Length of Drop Pipe 67 ft. capacity _____ 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. Raymer Company, Inc. 0384 REGISTERED BUSINESS NAME REGISTRATION NO. Address 1357 Comstock Street, Marne 49435 Signed <i>[Signature]</i> Date June 8, 1994 AUTHORIZED REPRESENTATIVE																									
17. Rig Operator's Name: C. Kage		USE A 2ND SHEET IF NEEDED																									

WATER WELL RECORD

ACT 294 PA 1965

MICHIGAN DEPARTMENT
OF
PUBLIC HEALTH

MAY - 5 1975

1 LOCATION OF WELL

County KENT Township Name BYRON Fraction NW 1/4 SW 1/4 NW 1/4 Section Number 31 Town Number 50 N. Range Number 12 E. W.

Distance And Direction from Road Intersections

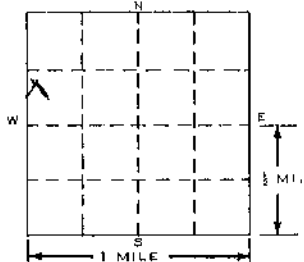
350 FT E. OF KENDWA1/10 M. N. OF 104TH

Street address & City of Well Location

10300th - KENDWA

Locate with "X" in section below

Sketch Map:

10300 KENDWA

2 FORMATION

	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<u>GRAVEL</u>	<u>3</u>	<u>3</u>
<u>CLAY & GRAVEL</u>	<u>54</u>	<u>57</u>
<u>SAND & GRAVEL</u>	<u>53</u>	<u>110</u>
<u>SAND (DRY)</u>	<u>18</u>	<u>128</u>
<u>SAND (SOME WATER)</u>	<u>14</u>	<u>142</u>
<u>CLAY</u>	<u>36</u>	<u>178</u>
<u>SHALE & CLAY</u>	<u>9</u>	<u>187</u>
<u>SANDSTONE</u>	<u>58</u>	<u>245</u>

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

USE A 2ND SHEET IF NEEDED

3 OWNER OF WELL:

GERALD WILLIAMSAddress 4253 22ND ST.
DORR MICH. 49323

4 WELL DEPTH: (completed) Date of Completion

245 ft. 3-3-75

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

7 CASING: Threaded ☒ Welded ☐

Diam. 4 in. to 190 ft. Depth
 Height: Above/Below Surface 0 ft.
 Weight 11 lbs./ft.
 Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: NONE Dia.: _____
 Slot/Gauze _____ Length _____
 Set between _____ ft. and _____ ft.
 Fittings: _____

9 STATIC WATER LEVEL

127 ft. below land surface

10 PUMPING LEVEL below land surface

127 ft. after 1 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 _____ Other NOT TESTED

12 WELL HEAD COMPLETION:

☐ In Approved Pit
☒ Pitless Adapter ☐ 12" Above Grade

13 Well Grouted? ☒ Yes ☐ No

☐ Neat Cement ☐ Bentonite DRILLING MUD
 Depth: From _____ ft. to _____ ft.

14 Nearest Source of possible contamination

50 feet SW Direction SEPTIC Type
 Well disinfected upon completion ☒ Yes ☐ No

15 PUMP:

☐ Not installed
 Manufacturer's Name AERMOTOR
 Model Number 5019150 HP 1 1/2 Volts 230
 Length of Drop Pipe 170 ft. capacity 22 G.P.M. 35
 Type: ☒ Submersible ☐ Jet ☐ Reciprocating

16 Remarks, elevation, source of data, etc.

900 GPM AT 142 FT
ONLY 6 FT of HEAD OVER SCREEN

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.

BUER WELL DRILLING 0073
 REGISTERED BUSINESS NAME REGISTRATION NO.

Address 239 E MAIN CALEDONIA MICH

Signed Robert T Buer Date 3-6-75
 AUTHORIZED REPRESENTATIVE

APR 04 1978

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

1 LOCATION OF WELL

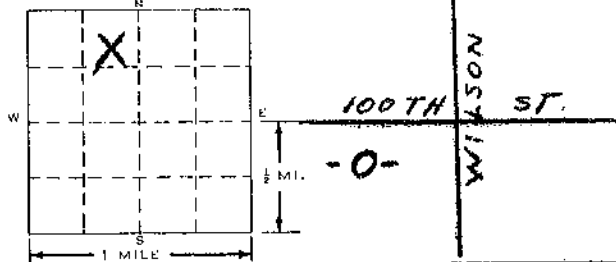
County Kent	Township Name Byron	Fraction NE 1/4 NW 1/4	Section Number 31	Town Number 5 N46.	Range Number 12 E/W.
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Distance And Direction from Road Intersections

300' S. of 100th St.Street address & City of Well Location **100th St., Byron Center, MI**

Locate with "X" in section below

Sketch Map:



2 FORMATION

THICKNESS
OF
STRATUMDEPTH TO
BOTTOM OF
STRATUM**Sand & Gravel****5****5****Gravel****7****12****Clay & Gravel****90****102****Large Gravel****6****108****Clay & Gravel****10****118****Marshall****99****217**

3 OWNER OF WELL:

Mr. Gerald VanSolkemaAddress **100th Street, m Byron Center, Mi.**

4 WELL DEPTH: (completed) Date of Completion

217 ft. May 10, 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 Surface 1 ft.
6 in. to 118 ft. Depth	Weight 20 lbs./ft.
6 in. to 118 ft. Depth	Drive Shoe? Yes ☒ No ☐

8 SCREEN:

Type: **NONE** Dia.: _____

Slot/Gauze _____ Length _____

Set between _____ ft. and _____ ft.

Fittings: _____

9 STATIC WATER LEVEL

2 ft. below land surface

10 PUMPING LEVEL below land surface

_____ ft. after **4** hrs. pumping **800** g.p.m.

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

11 WATER QUALITY in Parts Per Million:

Iron (Fe) **1.0** Chlorides (Cl) _____Hardness **19** grs. Other _____

12 WELL HEAD COMPLETION:

☐ In Approved Pit
☐ Pitless Adapter ☒ 12" Above Grade
13 Well Grouted? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ _____
 Depth: From **surface** ft. to **118** ft.

14 Nearest Source of possible contamination

75 feet **N.** Direction **Septic Tank** Type _____Well disinfectant 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

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.S. Raymer Co., Inc.**0384**

REGISTERED BUSINESS NAME

REGISTRATION NO.

Address **3311 Three Mile Rd. N.W., Grand Rapids, MI.**Signed **A. Manbeck**
AUTHORIZED REPRESENTATIVEDate **6-10-77**

USE A 2ND SHEET IF NEEDED

16 Remarks, elevation, source of data, etc.

ADDED INFO BY DRILLER, ITEM NO.

*CORRECTED BY **SP**

**ADDITION BY

ELEVATION

DEPTH TO ROCK

D67d

100M (Rev. 12-68)

GEOLOGICAL SURVEY COPY