

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 08/24/1991  
**Update Date** 02/14/2014  
**Received Date**

**County** Hennepin  
**Quad** Rogers  
**Quad ID** 121A

**137728**

<b>Well Name</b> PINE POINT	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 25	<b>Subsection</b> DABBCA	<b>Well Depth</b> 74 ft.	<b>Depth Completed</b> 74 ft.	<b>Date Well Completed</b> 10/18/1976
<b>Elevation</b> 954 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Non-specified Rotary		<b>Drill Fluid</b>			
<b>Address</b> Well DAYTON MN 55374					<b>Use</b> domestic	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>
Geological Material	From	To (ft.)	Color	Hardness	<b>Casing Type</b> Single casing <input type="checkbox"/> Joint <input type="checkbox"/> Threaded <input type="checkbox"/>		
SAND & GRAVEL	0	22	BROWN	SOFT	<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
CLAY	22	50	RED	HARD	<b>Above/Below</b> 1 ft.		
CLAY	50	70	GRAY	HARD	<b>Casing Diameter</b> 4 in. To 70 ft. lbs./ft.		
GRAVEL	70	74	YELLOW	SOFT	<b>Open Hole</b> From ft. To ft.		
SHALE	74	74	GREEN	HARD	<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON		
					<b>Diameter</b> 3 in. <b>Slot/Gauze</b> 12 <b>Length</b> 4.7 ft. <b>Set</b> 70 ft. 74 ft.		
					<b>Static Water Level</b> 55 ft. land surface Measure 10/28/1976		
					<b>Pumping Level (below land surface)</b> 70 ft. 1 hrs. Pumping at 15 g.p.m.		
					<b>Wellhead Completion</b> Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material bentonite Amount 2 Cubic yards From 0 ft. To 70 ft.		
					<b>Nearest Known Source of Contamination</b> 100 feet North Direction Sewer Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 00/00/1976		
					Manufacturer's name AERMOTOR		
					Model Number HP 0.5 Volt 230		
					Length of drop pipe ft Capacity 10 g.p. Typ Submersible		
					<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b> First Bedrock Aquifer Quat. buried		
					Last Strat clay-green Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)		
					System UTM - NAD83, Zone 15, Meters X 458666 Y 5002366		
					Unique Number Verification Information from Input Date 01/01/1990		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> Mc Alpine Brothers 86270 MCALPINE, K.		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**  
PINE PT. WOOD WELL #1 MP=1.4



**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

Entry Date 07/05/1991

Update Date 02/14/2014

Received Date

County Hennepin  
 Quad  
 Quad ID

**169565**

<b>Well Name</b> JAKES REPAIR	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 25	<b>Subsection</b> D	<b>Well Depth</b> 205 ft.	<b>Depth Completed</b> 205 ft.	<b>Date Well Completed</b> 06/30/1979
<b>Elevation</b>	<b>Elev. Method</b>				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b>	
<b>Address</b>					<b>Use</b> domestic	<b>Status</b> Active	
Contact ROGERS MN 55374					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
<b>Stratigraphy Information</b>					<b>Casing Type</b> Single casing <b>Joint</b> Threaded		
					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b> 1 ft.		
<b>Geological Material</b>					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
		<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>		
CLAY		0	18	YELLOW	HARD	4 in. To 190 ft. 11 lbs./ft. 0 in. To 0 ft.	
CLAY		18	80	GRAY	HARD		
GRAVEL		80	102	GRAY	SOFT		
CLAY		102	151	BROWN	HARD		
SHALE & SANDROCK		151	190	GRN/WHT	SOFT		
SANDROCK		190	205	WHITE	HARD		
					<b>Open Hole</b> From 190 ft. To 205 ft.		
					<b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>		
					<b>Static Water Level</b>		
					80 ft. land surface Measure 06/30/1979		
					<b>Pumping Level (below land surface)</b>		
					160 ft. 8 hrs. Pumping at 100 g.p.m.		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer <input checked="" type="checkbox"/> Model		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					<b>Nearest Known Source of Contamination</b>		
					<u>100</u> feet <u>West</u> Direction <u>Sewer</u> Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name STA-RITE		
					Model Number HP <u>0.5</u> Volt <u>230</u>		
					Length of drop pipe <u>105</u> ft Capacity <u>10</u> g.p. Typ <u>Submersible</u>		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock <b>Aquifer</b>		
					Last Strat <b>Depth to Bedrock</b> ft		
					Located by		
					Locate Method		
					System UTM - NAD83, Zone 15, Meters X Y		
					Unique Number Verification Input Date		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Mc Alpine Brothers 86270 BACH, P.		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 08/24/1991  
**Update Date** 02/14/2014  
**Received Date**

**County** Hennepin  
**Quad** Osseo  
**Quad ID** 120C

**204775**

<b>Well Name</b> REIMER,	<b>Township</b> 119	<b>Range</b> 22	<b>Dir Section</b> W 22	<b>Subsection</b> CDBABA	<b>Well Depth</b> 190 ft.	<b>Depth Completed</b> 190 ft.	<b>Date Well Completed</b> 09/06/1962		
<b>Elevation</b> 935 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b>		<b>Drill Fluid</b>					
<b>Address</b>					<b>Use</b> domestic	<b>Status</b> Active			
C/W 75TH AV N MAPLE GROVE MN					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>		
<b>Stratigraphy Information</b>					<b>Casing Type</b> Single casing	<b>Joint</b>			
					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b>			
<b>Geological Material</b>	<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>		
CLAY	0	10	BROWN		4 in. To 185 ft.	lbs./ft.	4 in. To 190 ft.		
GRAVEL	10	35	BROWN						
SANDY CLAY	35	126	BROWN						
PACK GRAVEL	126	130	GRAY						
SANDY CLAY	130	160	GRAY						
SHALE	160	163	WHITE						
FINE SANDSTONE	163	175	YELLOW SOFT						
COARSE SANDSTONE	175	190	YELLOW						
					<b>Open Hole</b>	<b>From</b>	<b>ft.</b>	<b>To</b>	<b>ft.</b>
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> JOHNSON		
					<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>	<b>Set</b>	
					4 in.	12	5 ft.	185 ft. 190 ft.	
					<b>Static Water Level</b>				
					45 ft.	land surface	<b>Measure</b>	09/06/1962	
					<b>Pumping Level (below land surface)</b>				
					ft.	hrs.	<b>Pumping at</b>	25 g.p.m.	
					<b>Wellhead Completion</b>				
					Pitless adapter manufacturer	<b>Model</b>			
					<input type="checkbox"/> Casing Protection	<input type="checkbox"/> 12 in. above grade			
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)				
					<b>Grouting Information</b>	<b>Well Grouted?</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Specified
					<b>Nearest Known Source of Contamination</b>				
					feet	<b>Direction</b>	<b>Type</b>		
					Well disinfected upon completion?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed	<b>Date Installed</b>			
					<b>Manufacturer's name</b> AERMOTOR				
					<b>Model Number</b> G75L	<b>HP</b> 0.75	<b>Volt</b>		
					<b>Length of drop pipe</b> 90 ft	<b>Capacity</b> 10 g.p.	<b>Typ</b> Submersible		
					<b>Abandoned</b>				
					Does property have any not in use and not sealed well(s)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
					<b>Variance</b>				
					Was a variance granted from the MDH for this well?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
					<b>Miscellaneous</b>				
					<b>First Bedrock</b> Jordan Sandstone	<b>Aquifer</b> Jordan			
					<b>Last Strat</b> Jordan Sandstone	<b>Depth to Bedrock</b> 160	<b>ft</b>		
					<b>Located by</b> Minnesota Geological Survey				
					<b>Locate Method</b> Digitized - scale 1:24,000 or larger (Digitizing Table)				
					<b>System</b> UTM - NAD83, Zone 15, Meters	<b>X</b> 464209	<b>Y</b> 4993950		
					<b>Unique Number Verification</b>	<b>Input Date</b> 01/01/1990			
					<b>Angled Drill Hole</b>				
					<b>Well Contractor</b>				
					Renner E.H. & Sons	27015			
					<b>Licensee Business</b>	<b>Lic. or Reg. No.</b>	<b>Name of Driller</b>		

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 08/24/1991  
**Update Date** 04/08/2014  
**Received Date**

**County** Hennepin  
**Quad** Rogers  
**Quad ID** 121A

**401401**

<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>Well Name</b></td> <td><b>Township</b></td> <td><b>Range</b></td> <td><b>Dir Section</b></td> <td><b>Subsection</b></td> </tr> <tr> <td>QUIGLEY,</td> <td>120</td> <td>23</td> <td>W 36</td> <td>ADDAAA</td> </tr> <tr> <td><b>Elevation</b></td> <td>938 ft.</td> <td><b>Elev. Method</b></td> <td colspan="2">7.5 minute topographic map (+/- 5 feet)</td> </tr> <tr> <td colspan="5"><b>Address</b></td> </tr> <tr> <td colspan="5">C/W 11215 BROCKTON LA ROGERS MN 55374</td> </tr> <tr> <td colspan="5"><b>Stratigraphy Information</b></td> </tr> <tr> <td>Geological Material</td> <td>From</td> <td>To (ft.)</td> <td>Color</td> <td>Hardness</td> </tr> <tr> <td>CLAY</td> <td>0</td> <td>40</td> <td>BROWN</td> <td>HARD</td> </tr> <tr> <td>GRAVEL</td> <td>40</td> <td>65</td> <td>BROWN</td> <td>SOFT</td> </tr> <tr> <td>CLAY</td> <td>65</td> <td>80</td> <td>GRAY</td> <td>HARD</td> </tr> <tr> <td>GRAVEL</td> <td>80</td> <td>90</td> <td>GRAY</td> <td>SOFT</td> </tr> <tr> <td>CLAY</td> <td>90</td> <td>91</td> <td>GRAY</td> <td>SOFT</td> </tr> <tr> <td>GRAVEL</td> <td>91</td> <td>108</td> <td>BROWN</td> <td>SOFT</td> </tr> </table>	<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	QUIGLEY,	120	23	W 36	ADDAAA	<b>Elevation</b>	938 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)		<b>Address</b>					C/W 11215 BROCKTON LA ROGERS MN 55374					<b>Stratigraphy Information</b>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	40	BROWN	HARD	GRAVEL	40	65	BROWN	SOFT	CLAY	65	80	GRAY	HARD	GRAVEL	80	90	GRAY	SOFT	CLAY	90	91	GRAY	SOFT	GRAVEL	91	108	BROWN	SOFT	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>Well Depth</b></td> <td><b>Depth Completed</b></td> <td><b>Date Well Completed</b></td> </tr> <tr> <td>108 ft.</td> <td>108 ft.</td> <td>05/23/1984</td> </tr> <tr> <td><b>Drill Method</b></td> <td>Non-specified Rotary</td> <td><b>Drill Fluid</b></td> </tr> <tr> <td><b>Use</b></td> <td>domestic</td> <td><b>Status</b> Active</td> </tr> <tr> <td><b>Well Hydrofractured?</b></td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> <td><b>From</b> <b>To</b></td> </tr> <tr> <td><b>Casing Type</b></td> <td>Single casing</td> <td><b>Joint</b> Threaded</td> </tr> <tr> <td><b>Drive Shoe?</b></td> <td>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> <td><b>Above/Below</b> 1 ft.</td> </tr> <tr> <td><b>Casing Diameter</b></td> <td><b>Weight</b></td> <td><b>Hole Diameter</b></td> </tr> <tr> <td>4 in. To 103 ft. 11 lbs./ft.</td> <td></td> <td>6.2 in. To 108 ft.</td> </tr> <tr> <td><b>Open Hole</b></td> <td>From ft.</td> <td>To ft.</td> </tr> <tr> <td><b>Screen?</b> <input checked="" type="checkbox"/></td> <td><b>Type</b> stainless</td> <td><b>Make</b> JOHNSON 948</td> </tr> <tr> <td><b>Diameter</b></td> <td><b>Slot/Gauze</b></td> <td><b>Length</b></td> </tr> <tr> <td>2 in. 18</td> <td>5 ft.</td> <td>103 ft. 108 ft.</td> </tr> <tr> <td><b>Static Water Level</b></td> <td>55 ft. land surface</td> <td><b>Measure</b> 05/23/1984</td> </tr> <tr> <td><b>Pumping Level (below land surface)</b></td> <td>103 ft. 2 hrs. Pumping at</td> <td>50 g.p.m.</td> </tr> <tr> <td><b>Wellhead Completion</b></td> <td>Pitless adapter manufacturer MERRILL Model SPK</td> <td><input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade</td> </tr> <tr> <td></td> <td colspan="2"><input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</td> </tr> <tr> <td><b>Grouting Information</b></td> <td>Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified</td> <td><b>Material</b> Amount From To</td> </tr> <tr> <td></td> <td>bentonite</td> <td>0 ft. 60 ft.</td> </tr> <tr> <td><b>Nearest Known Source of Contamination</b></td> <td>75 feet Southwes Direction</td> <td><b>Septic tank/drain field</b> Type</td> </tr> <tr> <td></td> <td>Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> <td></td> </tr> <tr> <td><b>Pump</b> <input type="checkbox"/> Not Installed</td> <td>Date Installed</td> <td>06/05/1984</td> </tr> <tr> <td>Manufacturer's name AERMOTOR</td> <td>Model Number</td> <td>HP 0.5 Volt 230</td> </tr> <tr> <td>Length of drop pipe 70 ft</td> <td>Capacity 10 g.p.</td> <td>Typ Submersible</td> </tr> <tr> <td><b>Abandoned</b></td> <td colspan="2">Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td><b>Variance</b></td> <td colspan="2">Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td><b>Miscellaneous</b></td> <td>First Bedrock</td> <td>Aquifer Quat. buried</td> </tr> <tr> <td>Last Strat</td> <td>gravel (+larger)-brown</td> <td>Depth to Bedrock ft</td> </tr> <tr> <td>Located by</td> <td colspan="2">Minnesota Geological Survey</td> </tr> <tr> <td>Locate Method</td> <td colspan="2">Digitized - scale 1:24,000 or larger (Digitizing Table)</td> </tr> <tr> <td>System</td> <td>UTM - NAD83, Zone 15, Meters</td> <td>X 458977 Y 5001040</td> </tr> <tr> <td>Unique Number Verification</td> <td>Information from</td> <td>Input Date 01/01/1990</td> </tr> <tr> <td><b>Angled Drill Hole</b></td> <td colspan="2"></td> </tr> <tr> <td><b>Well Contractor</b></td> <td>Mc Alpine Brothers 86270</td> <td>MCALPINE, B.</td> </tr> <tr> <td></td> <td>Licensee Business</td> <td>Lic. or Reg. No. Name of Driller</td> </tr> </table>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>	108 ft.	108 ft.	05/23/1984	<b>Drill Method</b>	Non-specified Rotary	<b>Drill Fluid</b>	<b>Use</b>	domestic	<b>Status</b> Active	<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	<b>Casing Type</b>	Single casing	<b>Joint</b> Threaded	<b>Drive Shoe?</b>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Above/Below</b> 1 ft.	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>	4 in. To 103 ft. 11 lbs./ft.		6.2 in. To 108 ft.	<b>Open Hole</b>	From ft.	To ft.	<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> JOHNSON 948	<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>	2 in. 18	5 ft.	103 ft. 108 ft.	<b>Static Water Level</b>	55 ft. land surface	<b>Measure</b> 05/23/1984	<b>Pumping Level (below land surface)</b>	103 ft. 2 hrs. Pumping at	50 g.p.m.	<b>Wellhead Completion</b>	Pitless adapter manufacturer MERRILL Model SPK	<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		<b>Grouting Information</b>	Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	<b>Material</b> Amount From To		bentonite	0 ft. 60 ft.	<b>Nearest Known Source of Contamination</b>	75 feet Southwes Direction	<b>Septic tank/drain field</b> Type		Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Pump</b> <input type="checkbox"/> Not Installed	Date Installed	06/05/1984	Manufacturer's name AERMOTOR	Model Number	HP 0.5 Volt 230	Length of drop pipe 70 ft	Capacity 10 g.p.	Typ Submersible	<b>Abandoned</b>	Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Variance</b>	Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Miscellaneous</b>	First Bedrock	Aquifer Quat. buried	Last Strat	gravel (+larger)-brown	Depth to Bedrock ft	Located by	Minnesota Geological Survey		Locate Method	Digitized - scale 1:24,000 or larger (Digitizing Table)		System	UTM - NAD83, Zone 15, Meters	X 458977 Y 5001040	Unique Number Verification	Information from	Input Date 01/01/1990	<b>Angled Drill Hole</b>			<b>Well Contractor</b>	Mc Alpine Brothers 86270	MCALPINE, B.		Licensee Business	Lic. or Reg. No. Name of Driller
<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>																																																																																																																																																																							
QUIGLEY,	120	23	W 36	ADDAAA																																																																																																																																																																							
<b>Elevation</b>	938 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)																																																																																																																																																																								
<b>Address</b>																																																																																																																																																																											
C/W 11215 BROCKTON LA ROGERS MN 55374																																																																																																																																																																											
<b>Stratigraphy Information</b>																																																																																																																																																																											
Geological Material	From	To (ft.)	Color	Hardness																																																																																																																																																																							
CLAY	0	40	BROWN	HARD																																																																																																																																																																							
GRAVEL	40	65	BROWN	SOFT																																																																																																																																																																							
CLAY	65	80	GRAY	HARD																																																																																																																																																																							
GRAVEL	80	90	GRAY	SOFT																																																																																																																																																																							
CLAY	90	91	GRAY	SOFT																																																																																																																																																																							
GRAVEL	91	108	BROWN	SOFT																																																																																																																																																																							
<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>																																																																																																																																																																									
108 ft.	108 ft.	05/23/1984																																																																																																																																																																									
<b>Drill Method</b>	Non-specified Rotary	<b>Drill Fluid</b>																																																																																																																																																																									
<b>Use</b>	domestic	<b>Status</b> Active																																																																																																																																																																									
<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>																																																																																																																																																																									
<b>Casing Type</b>	Single casing	<b>Joint</b> Threaded																																																																																																																																																																									
<b>Drive Shoe?</b>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Above/Below</b> 1 ft.																																																																																																																																																																									
<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>																																																																																																																																																																									
4 in. To 103 ft. 11 lbs./ft.		6.2 in. To 108 ft.																																																																																																																																																																									
<b>Open Hole</b>	From ft.	To ft.																																																																																																																																																																									
<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> JOHNSON 948																																																																																																																																																																									
<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>																																																																																																																																																																									
2 in. 18	5 ft.	103 ft. 108 ft.																																																																																																																																																																									
<b>Static Water Level</b>	55 ft. land surface	<b>Measure</b> 05/23/1984																																																																																																																																																																									
<b>Pumping Level (below land surface)</b>	103 ft. 2 hrs. Pumping at	50 g.p.m.																																																																																																																																																																									
<b>Wellhead Completion</b>	Pitless adapter manufacturer MERRILL Model SPK	<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade																																																																																																																																																																									
	<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																																																																																																																																																																										
<b>Grouting Information</b>	Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	<b>Material</b> Amount From To																																																																																																																																																																									
	bentonite	0 ft. 60 ft.																																																																																																																																																																									
<b>Nearest Known Source of Contamination</b>	75 feet Southwes Direction	<b>Septic tank/drain field</b> Type																																																																																																																																																																									
	Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																																																																																																																										
<b>Pump</b> <input type="checkbox"/> Not Installed	Date Installed	06/05/1984																																																																																																																																																																									
Manufacturer's name AERMOTOR	Model Number	HP 0.5 Volt 230																																																																																																																																																																									
Length of drop pipe 70 ft	Capacity 10 g.p.	Typ Submersible																																																																																																																																																																									
<b>Abandoned</b>	Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																																																																																																																										
<b>Variance</b>	Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																																																																																																																										
<b>Miscellaneous</b>	First Bedrock	Aquifer Quat. buried																																																																																																																																																																									
Last Strat	gravel (+larger)-brown	Depth to Bedrock ft																																																																																																																																																																									
Located by	Minnesota Geological Survey																																																																																																																																																																										
Locate Method	Digitized - scale 1:24,000 or larger (Digitizing Table)																																																																																																																																																																										
System	UTM - NAD83, Zone 15, Meters	X 458977 Y 5001040																																																																																																																																																																									
Unique Number Verification	Information from	Input Date 01/01/1990																																																																																																																																																																									
<b>Angled Drill Hole</b>																																																																																																																																																																											
<b>Well Contractor</b>	Mc Alpine Brothers 86270	MCALPINE, B.																																																																																																																																																																									
	Licensee Business	Lic. or Reg. No. Name of Driller																																																																																																																																																																									

**Remarks**

435834

County Hennepin  
 Quad Anoka  
 Quad ID 120B

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 10/28/1991  
 Update Date 03/21/2017  
 Received Date

<b>Well Name</b> SCOTT, GARY	<b>Township</b> 119	<b>Range</b> 22	<b>Dir Section</b> W 5	<b>Subsection</b> CABBDC	<b>Well Depth</b> 254 ft.	<b>Depth Completed</b> 254 ft.	<b>Date Well Completed</b> 10/06/1987
<b>Elevation</b> 921 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Bentonite	
<b>Address</b> Well 17055 105TH AV N MAPLE GROVE MN 55369					<b>Use</b> domestic	<b>Status</b> Sealed	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing	<b>Joint</b> Threaded	
CLAY 0 29 YELLOW					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b> 1 ft.	
CLAY 29 48 BLUE					<b>Casing Diameter</b> 4 in. To 212 ft.	<b>Weight</b> 11 lbs./ft.	
SAND & GRAVEL 48 85					<b>Hole Diameter</b>		
CLAY 85 96					6.2 in. To 212 ft.		
SAND 96 98					4 in. To 254 ft.		
CLAY W/GRAVEL 98 145 RED/BRN					<b>Open Hole</b> From 212 ft. To 254 ft.		
SAND 145 192 BROWN					<b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>		
SHALE W/GRAVEL 192 206					<b>Static Water Level</b>		
SANDROCK & SHALE 206 254					35 ft. land surface Measure 10/06/1987		
<b>Pumping Level (below land surface)</b>							
<b>Wellhead Completion</b>							
Pitless adapter manufacturer WHITEWATER Model							
<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade							
<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)							
<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified							
Material Amount From To							
cuttings ft. ft.							
bentonite ft. 212 ft.							
<b>Nearest Known Source of Contamination</b>							
50 feet Northwest Direction Septic tank/drain field Type							
Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 10/07/1987							
Manufacturer's name MYERS							
Model Number HP 0.5 Volt 0							
Length of drop pipe 60 ft Capacity g.p. Typ Submersible							
<b>Abandoned</b>							
Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
<b>Variance</b>							
Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No							
<b>Miscellaneous</b>							
First Bedrock St.Lawrence Formation Aquifer St.Lawrence-							
Last Strat St.Lawrence-Tunnel City Depth to Bedrock 192 ft							
Located by Minnesota Geological Survey							
Locate Method Digitization (Screen) - Map (1:24,000)							
System UTM - NAD83, Zone 15, Meters X 460979 Y 4999135							
Unique Number Verification Address verification Input Date 07/07/2008							
<b>Angled Drill Hole</b>							
<b>Well Contractor</b>							
Ruppert & Son 27086 RUPPERT, G.							
Licensee Business Lic. or Reg. No. Name of Driller							
<b>Remarks</b> SEALED 12-18-2014 BY 2255; PREVIOUS USE: DO							
<b>Minnesota Well Index Report</b>					435834		
					Printed on 07/26/2018 HE-01205-15		

**435887**

County Hennepin  
 Quad Osseo  
 Quad ID 120C

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 06/29/1992  
 Update Date 02/14/2014  
 Received Date

<b>Well Name</b> ANDERSON, <b>Elevation</b> 905 ft. <b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Township</b> 119 <b>Range</b> 22 <b>Dir Section</b> W 17 <b>Subsection</b> ADADAD	<b>Well Depth</b> 95 ft. <b>Depth Completed</b> 95 ft. <b>Date Well Completed</b> 05/25/1988	<b>Drill Method</b> Non-specified Rotary <b>Drill Fluid</b> Bentonite																														
<b>Address</b> Well 9060 WESTON LA MAPLE GROVE MN 55311		<b>Use</b> domestic <b>Status</b> Active																															
<b>Stratigraphy Information</b>		<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Geological Material</th> <th>From</th> <th>To (ft.)</th> <th>Color</th> <th>Hardness</th> </tr> </thead> <tbody> <tr> <td>CLAY</td> <td>0</td> <td>21</td> <td>YELLOW</td> <td>MEDIUM</td> </tr> <tr> <td>CLAY</td> <td>21</td> <td>42</td> <td>BLUE</td> <td>MEDIUM</td> </tr> <tr> <td>GRAVEL</td> <td>42</td> <td>55</td> <td>BROWN</td> <td>MEDIUM</td> </tr> <tr> <td>CLAY GRAVEL</td> <td>55</td> <td>83</td> <td>BROWN</td> <td>M.HARD</td> </tr> <tr> <td>SAND</td> <td>83</td> <td>95</td> <td>TAN</td> <td></td> </tr> </tbody> </table>		Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	21	YELLOW	MEDIUM	CLAY	21	42	BLUE	MEDIUM	GRAVEL	42	55	BROWN	MEDIUM	CLAY GRAVEL	55	83	BROWN	M.HARD	SAND	83	95	TAN		<b>Casing Type</b> Single casing <b>Joint</b>	
Geological Material	From	To (ft.)	Color	Hardness																													
CLAY	0	21	YELLOW	MEDIUM																													
CLAY	21	42	BLUE	MEDIUM																													
GRAVEL	42	55	BROWN	MEDIUM																													
CLAY GRAVEL	55	83	BROWN	M.HARD																													
SAND	83	95	TAN																														
		<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b> 1 ft.																															
		<b>Casing Diameter</b> 4 in. To 90 ft. <b>Weight</b> lbs./ft. <b>Hole Diameter</b> 6.7 in. To 90 ft. 4 in. To 95 ft.																															
		<b>Open Hole</b> From ft. To ft.																															
		<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON <b>Diameter</b> 4 in. <b>Slot/Gauze</b> 12 <b>Length</b> 4 ft. <b>Set</b> 90 ft. <b>95 ft.</b>																															
		<b>Static Water Level</b> 20 ft. land surface Measure 05/26/1988																															
		<b>Pumping Level (below land surface)</b> 32 ft. 3 hrs. Pumping at 30 g.p.m.																															
		<b>Wellhead Completion</b> Pitless adapter manufacturer WHITEWATER Model CF <input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																															
		<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified Material Amount From To bentonite 40 ft. 90 ft. cuttings ft. ft. neat cement ft. 40 ft.																															
		<b>Nearest Known Source of Contamination</b> 50 feet Northeast Direction Septic tank/drain field Type Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																															
		<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 05/26/1988 Manufacturer's name RED JACKET Model Number 50019BC HP 0.5 Volt 230 Length of drop pipe 40 ft Capacity 12 g.p. Typ Submersible																															
		<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																															
		<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No																															
		<b>Miscellaneous</b> First Bedrock Aquifer Quat. buried Last Strat sand-brown Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) System UTM - NAD83, Zone 15, Meters X 462067 Y 4996249 Unique Number Verification Address verification Input Date 07/07/2008																															
<b>Remarks</b>		<b>Angled Drill Hole</b>																															
		<b>Well Contractor</b> Ruppert & Son 27086 RUPPERT, G. Licensee Business Lic. or Reg. No. Name of Driller																															

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/13/1992

Update Date 02/14/2014

Received Date

439843

County Hennepin

Quad

Quad ID

<b>Well Name</b> KLINEFELTER,	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 25	<b>Subsection</b> DCA	<b>Well Depth</b> 91 ft.	<b>Depth Completed</b> 90 ft.	<b>Date Well Completed</b> 03/24/1988
<b>Elevation</b>	<b>Elev. Method</b>				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Bentonite	
<b>Address</b> C/W 19400 TERRITORIAL RD MN					<b>Use</b> commercial	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing	<b>Joint</b> Threaded	
CLAY 0 4 BROWN					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b> 1.5 ft.	
CLAY 4 12 GRAY					<b>Casing Diameter</b> 6 in.	<b>Weight</b> 82 ft. 18.9 lbs./ft.	<b>Hole Diameter</b> 10 in. To 90 ft.
CLAY 12 58 BROWN					<b>Open Hole</b> From ft. To ft.		
GRAVEL 58 91 VARIED					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> JOHNSON
CLAY 91 91 GRAY					Diameter 6 in.	Slot/Gauze 40	Length 10 ft. Set 80 ft. 90 ft.
					<b>Static Water Level</b> 70 ft. land surface Measure 03/24/1988		
					<b>Pumping Level (below land surface)</b> 75 ft. 3 hrs. Pumping at 60 g.p.m.		
					<b>Wellhead Completion</b> Pitless adapter manufacturer BAKER Model STANDARD <input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified Material Amount From To bentonite ft. 80 ft.		
					<b>Nearest Known Source of Contamination</b> 120 feet West Direction Septic tank/drain field Type Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 04/05/1988 Manufacturer's name GRUNDFOS Model Number SP8-15 HP 5 Volt 230 Length of drop pipe 70 ft Capacity 50 g.p. Typ Submersible		
					<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b> First Bedrock Aquifer Last Strat Depth to Bedrock ft Located by Locate Method System UTM - NAD83, Zone 15, Meters X Y Unique Number Verification Input Date		
<b>Remarks</b>					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> Renner E.H. Well 71015 HEISEL, M. Licensee Business Lic. or Reg. No. Name of Driller		
<b>Minnesota Well Index Report</b>					439843		Printed on 07/26/2018 HE-01205-15

**439865**County Hennepin  
Quad Rogers  
Quad ID 121AMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 07/13/1992  
Update Date 02/16/2015  
Received Date

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>				
	120	23	W 25	DDBBDA	120 ft.	118 ft.	04/26/1988				
<b>Elevation</b>	958 ft.	<b>Elev. Method</b>	LiDAR 1m DEM (MNDNR)								
<b>Address</b>					<b>Use</b>	commercial	<b>Status</b>				
C/W 19340 LINDEN DR ROGERS MN							Active				
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<b>From</b>	<b>To</b>		
					<b>Casing Type</b>	Single casing		<b>Joint</b>	Threaded		
					<b>Drive Shoe?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	<b>Above/Below</b>	2 ft.		
<b>Geological Material</b>					<b>Casing Diameter</b>	<b>Weight</b>					
					4 in. To	114 ft. 10.7 lbs./ft.					
					<b>Open Hole</b>	From	ft.	To	ft.		
CLAY 0 5 GRAY					<b>Screen?</b>	<input checked="" type="checkbox"/>	<b>Type</b>	stainless	<b>Make</b>	JOHNSON	
CLAY 5 10 BROWN					Diameter	Slot/Gauze	Length	Set			
STICKY CLAY 10 60 GRAY					4 in.	18	4 ft.	114 ft.	118 ft.		
SAND 60 70 GRAY					<b>Static Water Level</b>						
MED SAND 70 85 GRY/BRN					72 ft.	land surface	Measure	04/26/1988			
FINE SAND 85 90 GRAY					<b>Pumping Level (below land surface)</b>						
ROCKY CLAY 90 91 GRAY					100 ft.	3 hrs.	Pumping at	20	g.p.m.		
SAND 91 95 GRAY					<b>Wellhead Completion</b>						
CLAY 95 110 GRAY					Pitless adapter manufacturer <b>BAKER</b> Model <b>SNAPPY</b>						
MEDIUM SAND 110 118 BROWN					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade						
CLAY 118 120 RED					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)						
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified						
					Material	Amount	From	To			
					bentonite			ft. 114	ft.		
					<b>Nearest Known Source of Contamination</b>						
					<u>16</u> feet	<u>Northwes</u> Direction	<u>Old/other well Type</u>				
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed <u>05/18/1988</u>						
					Manufacturer's name <b>GRUNDFOS</b>						
					Model Number	<u>16S07-8</u>	HP	<u>0.75</u>	Volt	<u>230</u>	
					Length of drop pipe	<u>108</u> ft	Capacity	<u>17</u> g.p.	Typ	<u>Submersible</u>	
					<b>Abandoned</b>						
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
					<b>Variance</b>						
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No						
					<b>Miscellaneous</b>						
					First Bedrock	Aquifer Quat. buried					
					Last Strat	clay-red	Depth to Bedrock	ft			
					Located by <b>Minnesota Geological Survey</b>						
					Locate Method <b>GPS SA Off (averaged)</b>						
					System	UTM - NAD83, Zone 15, Meters		X	<u>458714</u>	Y <u>5001957</u>	
					Unique Number Verification	Address verification	Input Date	<u>12/09/2014</u>			
					<b>Angled Drill Hole</b>						
					<b>Well Contractor</b>						
					Renner E.H. Well	71015		PRAUGHT, V.			
					Licensee Business	Lic. or Reg. No.		Name of Driller			
<b>Remarks</b>					<b>439865</b>			Printed on 07/26/2018			
<b>Minnesota Well Index Report</b>								HE-01205-15			

439969

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/10/1992  
 Update Date 09/01/2015  
 Received Date

<b>Well Name</b> MILLER, STEVE	<b>Township</b> 120	<b>Range</b> 22	<b>Dir Section</b> W 31	<b>Subsection</b> ACCDBB	<b>Well Depth</b> 260 ft.	<b>Depth Completed</b> 260 ft.	<b>Date Well Completed</b> 03/02/1988
<b>Elevation</b> 946 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Qwik gel	
<b>Address</b> Well 18171 TERRITORIAL RD DAYTON MN 55327					<b>Use</b> domestic	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>
<b>Geological Material</b>	<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Type</b> Single casing <input type="checkbox"/> Joint <input type="checkbox"/>		
CLAY	0	30	YELLOW	SOFT	<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b>	1 ft.
CLAY	30	52	GRAY	MEDIUM	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
SAND & CLAY	52	68	BROWN	HARD	4 in. To	219 ft. 11 lbs./ft.	6 in. To 219 ft.
CLAY, ROCKS &	68	125	GRY/WHT	M.HARD			4 in. To 260 ft.
CLAY & ROCKS	125	172	RED	HARD	<b>Open Hole</b> From 219 ft. To 260 ft.		
SHALE	172	212	YEL/GRN	SFT-HRD	<b>Screen?</b> <input type="checkbox"/>	<b>Type</b>	<b>Make</b>
SHALE	212	220	GREEN	HARD	<b>Static Water Level</b>		
SANDROCK	220	260	WHT/YEL	HARD	65 ft.	land surface	Measure 03/02/1988
					<b>Pumping Level (below land surface)</b>		
					75 ft.	3 hrs.	Pumping at 40 g.p.m.
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	WHITEWATER	Model SU5.5
					<input type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material	Amount	From To
					bentonite		ft. 219 ft.
					<b>Nearest Known Source of Contamination</b>		
					75 feet	North Direction	Septic tank/drain field Type
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed	Date Installed	03/03/1988
					Manufacturer's name	AERMOTOR	
					Model Number	HP	Volt
					Length of drop pipe	ft Capacity	g.p. Typ Submersible
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock	Jordan-St.Lawrence	Aquifer Tunnel City
					Last Strat	Tunnel City Group	Depth to Bedrock 172 ft
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System	UTM - NAD83, Zone 15, Meters	X 459877 Y 5000912
					Unique Number Verification	Name on mailbox	Input Date 07/24/2008
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Mc Alpine's Well Co.	27186	MCALPINE, T.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b>							

**457298**

County Stearns  
 Quad Rockville  
 Quad ID 140A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 04/29/1991  
 Update Date 02/14/2014  
 Received Date

<b>Well Name</b> ROTHSTEIN,	<b>Township</b> 123	<b>Range</b> 29	<b>Dir Section</b> W 28	<b>Subsection</b> ADDCCC	<b>Well Depth</b> 62 ft.	<b>Depth Completed</b> 62 ft.	<b>Date Well Completed</b> 05/15/1989	
<b>Elevation</b> 1110	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Cable Tool		<b>Drill Fluid</b>				
<b>Address</b>					<b>Use</b> domestic		<b>Status</b> Active	
Well 21485 AGATE BEACH RD ST CLOUD MN 56301					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>			
Contact 1020 BROMO AV ST CLOUD MN 56301					<b>Casing Type</b> Single casing <b>Joint</b> Threaded			
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b> 1 ft.			
<b>Geological Material</b>		<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
SAND		0	2	BLACK	SOFT	4 in. To 58 ft. lbs./ft. 4 in. To 62 ft.		
SAND		2	50	BROWN	SOFT			
SAND		50	55	GRAY	SOFT			
SAND, GRAVEL &		55	62					
<b>Open Hole</b>					<b>From</b>	<b>ft.</b>	<b>To</b>	
<b>Screen?</b> <input checked="" type="checkbox"/>					<b>Type</b> stainless	<b>Make</b> HOWARD SMITH		
<b>Diameter</b>		<b>Slot/Gauze</b>	<b>Length</b>	<b>Set</b>				
4 in.		20	4 ft.	58 ft.	62 ft.			
<b>Static Water Level</b>					8 ft.	land surface	Measure 05/15/1989	
<b>Pumping Level (below land surface)</b>					20 ft.	hrs.	Pumping at 50 g.p.m.	
<b>Wellhead Completion</b>					Pitless adapter manufacturer Model			
<input type="checkbox"/> Casing Protection					<input checked="" type="checkbox"/> 12 in. above grade			
<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)								
<b>Grouting Information</b>					Well Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Specified			
<b>Nearest Known Source of Contamination</b>					75 feet Southeast Direction Septic tank/drain field Type			
Well disinfected upon completion?					<input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Pump</b> <input checked="" type="checkbox"/> Not Installed					Date Installed			
Manufacturer's name								
Model Number		HP		Ω		Volt		
Length of drop pipe		ft		Capacity		g.p. Typ		
<b>Abandoned</b>					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Variance</b>					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Miscellaneous</b>					First Bedrock Aquifer Quat. Water			
Last Strat		sand +larger		Depth to Bedrock		ft		
Located by Minnesota Geological Survey								
Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)								
System		UTM - NAD83, Zone 15, Meters		X 396356		Y 5032222		
Unique Number Verification		Address verification		Input Date		01/01/1990		
<b>Angled Drill Hole</b>								
<b>Well Contractor</b>					Donabauer Well Co. 73061 DONABAUER, R.			
Licensee Business					Lic. or Reg. No.		Name of Driller	

**457901**County Anoka  
Quad St Francis  
Quad ID 136AMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 09/25/1992  
Update Date 02/14/2014  
Received Date

<b>Well Name</b> NETTEBERG,	<b>Township</b> 34	<b>Range</b> 24	<b>Dir Section</b> W 36	<b>Subsection</b> AAA	<b>Well Depth</b> 25 ft.	<b>Depth Completed</b> 25 ft.	<b>Date Well Completed</b> 06/30/1989
<b>Elevation</b>	<b>Elev. Method</b>				<b>Drill Method</b> Cable Tool	<b>Drill Fluid</b>	
<b>Address</b>					<b>Use</b> test well	<b>Status</b> Sealed	
C/W MN					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	
<b>Stratigraphy Information</b>					<b>Casing Type</b> Single casing	<b>Joint</b> Threaded	
Geological Material					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b> 2 ft.	
MED. SAND					<b>Casing Diameter</b> 4 in. To 16 ft. 11 lbs./ft.		
MED. SAND					<b>Weight</b>		
From To (ft.) Color Hardness					<b>Open Hole</b> From ft. To ft.		
0 16 BROWN SOFT					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON		
16 25 GRAY SOFT					Diameter Slot/Gauze Length Set		
					4 in. 10 9 ft. 16 ft. 25 ft.		
					<b>Static Water Level</b> 16 ft. land surface Measure 06/30/1989		
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b> Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified		
					<b>Nearest Known Source of Contamination</b> 500 feet North Direction Septic tank/drain field Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name		
					Model Number HP Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b> First Bedrock Aquifer		
					Last Strat Depth to Bedrock ft		
					Located by		
					Locate Method		
					System UTM - NAD83, Zone 15, Meters X Y		
					Unique Number Verification Input Date		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> Torgerson, Art & Son 02203 PITTMAN, H. Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b> 3 TEST WELLS WERE DRILLED. THIS IA THE LOG FOR #1. 500' SOUTH OF 237TH AVE NW + DEWEY ST. WELL #1. WELL SEALED 05-04-2004 BY 27056							
<b>Minnesota Well Index Report</b>					<b>457901</b>		
					Printed on 07/26/2018 HE-01205-15		

**458521**

County Sherburne  
 Quad Becker  
 Quad ID 138A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 05/21/1991  
 Update Date 02/14/2014  
 Received Date

<b>Well Name</b> ABRAHAMSON, 33	<b>Township</b> 33	<b>Range</b> 28	<b>Dir Section</b> W 3	<b>Subsection</b> BAADAD	<b>Well Depth</b> 43 ft.	<b>Depth Completed</b> 42 ft.	<b>Date Well Completed</b> 11/08/1989
<b>Elevation</b> 951 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Revert	
<b>Address</b> C/W 16817 GARDEN GROVE RD BECKER MN					<b>Use</b> domestic	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing	<b>Joint</b> Glued	
SAND 0 11 BROWN					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b> 2 ft.	
CLAY 11 14 BROWN					<b>Casing Diameter</b> <b>Weight</b>		
SMEARY CLAY 14 30 GRAY					4 in. To 38 ft. lbs./ft.		
COARSE SAND & CLAY 30 42 GRAY							
CLAY 42 43 BROWN							
					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> other <b>Make</b> JOHNSON	
					<b>Diameter</b> Slot/Gauze Length Set		
					4 in. 20 4 ft. 38 ft. 42 ft.		
					<b>Static Water Level</b>		
					22 ft. land surface	Measure 11/08/1989	
					<b>Pumping Level (below land surface)</b>		
					40 ft. 1 hrs. Pumping at	30 g.p.m.	
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					neat cement 7 ft. 30 ft.		
					<b>Nearest Known Source of Contamination</b>		
					feet Direction Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 11/30/1989		
					Manufacturer's name AERMOTOR		
					Model Number A12B50 HP 0.5 Volt 230		
					Length of drop pipe 309 ft Capacity 12 g.p. Typ Submersible		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer Quat. buried		
					Last Strat clay-brown Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method GPS SA Off (averaged)		
					System UTM - NAD83, Zone 15, Meters X 436668 Y 5026055		
					Unique Number Verification Address verification Input Date 02/10/2011		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Traut M.J. Well Co. 71536 BRUCE & ROBBI		
					Licensee Business Lic. or Reg. No. Name of Driller		

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 01/03/1992  
**Update Date** 03/10/2014  
**Received Date**

**County** Pope  
**Quad** Lake Simon  
**Quad ID** 144A

**458823**

<b>Well Name</b> LIEBL FARMS	<b>Township</b> 123	<b>Range</b> 37	<b>Dir Section</b> W 1	<b>Subsection</b> ACAABA	<b>Well Depth</b> 53 ft.	<b>Depth Completed</b> 53 ft.	<b>Date Well Completed</b> 05/23/1991
<b>Elevation</b> 1340	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)					
<b>Address</b>				<b>Use</b> irrigation <span style="float:right"><b>Status</b> Active</span>			
Contact P.O. BOX 29 WILLMAR MN 56201				<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>			
<b>Stratigraphy Information</b>				<b>Casing Type</b> Single casing <span style="float:right"><b>Joint</b> Welded</span>			
Geological Material From To (ft.) Color Hardness				<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>			
TOPSOIL 0 1				<b>Casing Diameter</b> 12 in. <b>Weight</b> 35 ft. lbs./ft. <b>Hole Diameter</b> 12 in. To 53 ft.			
MEDIUM COARSE 1 53				17 in. To ft.			
<b>Open Hole</b>				From ft. To ft.			
<b>Screen?</b> <input checked="" type="checkbox"/>				<b>Type</b> plastic <b>Make</b> CERTA-LOK			
Diameter Slot/Gauze Length Set				12 in. 85 18 ft. 35 ft. 53 ft.			
<b>Static Water Level</b>				28 ft. land surface Measure 05/23/1991			
<b>Pumping Level (below land surface)</b>				37 ft. 12 hrs. Pumping at 400 g.p.m.			
<b>Wellhead Completion</b>				Pitless adapter manufacturer Model			
<input type="checkbox"/> Casing Protection				<input type="checkbox"/> 12 in. above grade			
<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)							
<b>Grouting Information</b>				Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified			
Material Amount From To				cuttings 0 ft. 30 ft.			
bentonite 0 ft. 30 ft.				pearock 30 ft. 53 ft.			
<b>Nearest Known Source of Contamination</b>				feet Direction Type			
Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
<b>Pump</b> <input checked="" type="checkbox"/> Not Installed				Date Installed			
Manufacturer's name				Model Number HP Volt			
Length of drop pipe ft Capacity g.p. Typ							
<b>Abandoned</b>				Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>Variance</b>				Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Miscellaneous</b>				First Bedrock Aquifer Quat. Water			
Last Strat sand +larger				Depth to Bedrock ft			
Located by Minnesota Geological Survey				Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)			
System UTM - NAD83, Zone 15, Meters X 323358 Y 5040467				Unique Number Verification Other, note in Input Date 02/25/2000			
<b>Angled Drill Hole</b>							
<b>Well Contractor</b>				Blue Water Well Co. 73413 ALFORD, M.			
Licensee Business				Lic. or Reg. No. Name of Driller			

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 09/18/1992

Update Date 02/14/2014

Received Date

County Stearns  
 Quad  
 Quad ID

**460815**

<b>Well Name</b> EICHERS, DIANE 123	<b>Township</b> 29	<b>Range</b> W 17	<b>Dir Section</b> ACC	<b>Subsection</b>	<b>Well Depth</b> 32 ft.	<b>Depth Completed</b> 32 ft.	<b>Date Well Completed</b> 07/01/1991
<b>Elevation</b>	<b>Elev. Method</b>				<b>Drill Method</b> Cable Tool	<b>Drill Fluid</b>	
<b>Address</b>					<b>Use</b> domestic	<b>Status</b> Active	
Contact BOX 121 ROCKVILLE MN 56369					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
<b>Stratigraphy Information</b>					<b>Casing Type</b> Single casing <b>Joint</b> Threaded		
Geological Material From To (ft.) Color Hardness					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b> 1 ft.		
TOPSOIL 0 1 BLACK SOFT					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
SAND 1 14 BROWN SOFT					4 in. To 28 ft. 11 lbs./ft. 4 in. To 32 ft.		
SANDY CLAY 14 18 GRAY SOFT							
SAND 18 28 BROWN SOFT							
GRAVEL & WATER 28 32							
					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON		
					Diameter Slot/Gauze Length Set		
					4 in. 10 4 ft. 28 ft. 32 ft.		
					<b>Static Water Level</b>		
					20 ft. land surface Measure 07/01/1991		
					<b>Pumping Level (below land surface)</b>		
					28 ft. 1 hrs. Pumping at 5 g.p.m.		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer MAAS Model		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Specified		
					<b>Nearest Known Source of Contamination</b>		
					feet Direction Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 07/18/1991		
					Manufacturer's name TAIT		
					Model Number 5DL310C- HP 0.5 Volt 230		
					Length of drop pipe 18 ft Capacity 8 g.p. Typ Submersible		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer		
					Last Strat Depth to Bedrock ft		
					Located by		
					Locate Method		
					System UTM - NAD83, Zone 15, Meters X Y		
					Unique Number Verification Input Date		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Donabauer Well Co. 73061 DONABAUER, GA		
					Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b> S. OF ROCKVILLE AND S. OF HWY. 23.							
<b>Minnesota Well Index Report</b>					<b>460815</b>		
					Printed on 07/26/2018 HE-01205-15		

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 05/02/1995  
**Update Date** 02/16/2015  
**Received Date**

**County** Hennepin  
**Quad** Rogers  
**Quad ID** 121A

**475695**

<b>Well Name</b> MW-5	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 23	<b>Subsection</b> ABCCCA	<b>Well Depth</b> 16 ft.	<b>Depth Completed</b> 15 ft.	<b>Date Well Completed</b> 06/18/1991
<b>Elevation</b> 969 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Power Auger		<b>Drill Fluid</b>			
<b>Address</b> Well 13028 MAIN ST E ROGERS MN 55374					<b>Use</b> monitor well	<b>Status</b> Sealed	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing <b>Joint</b>		
SOIL, CLAY 0 4 BLK/BRN					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>		
CLAY 4 6 BROWN					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
SANDY CLAY 6 9 BROWN					2 in. To 5 ft. lbs./ft. 8.2 in. To 16 ft.		
SATURATED SANDY 9 14 BROWN							
SATURATED SANDY 14 16 BROWN							
					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> COOK		
					Diameter <input type="checkbox"/> Slot/Gauze Length Set		
					2 in. 10 10 ft. 5 ft. 15 ft.		
					<b>Static Water Level</b>		
					7.8 ft. land surface Measure 06/18/1991		
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					neat cement ft. ft.		
					<b>Nearest Known Source of Contamination</b>		
					feet Direction Volatile organic compounds Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name		
					Model Number HP Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer Quat. Water		
					Last Strat clay+sand-brown Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 456626 Y 5004484		
					Unique Number Verification Site Plan Input Date 07/17/2012		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Thein Well Co. 34050 THEIN, M.		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**  
 MW-5  
 WELL SEALED 12-06-1996 BY 34050

**475696**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 05/02/1995  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b>	Township	Range	Dir Section	Subsection	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>
	120	23	W 23	ABCCBD	15 ft.	15 ft.	06/17/1991
<b>Elevation</b>	962 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)				
<b>Address</b>					<b>Drill Method</b>	<b>Drill Fluid</b>	
Well 13028 MAIN ST E ROGERS MN 55374					Power Auger		
Contact P.O. BOX 6247 KANSAS CITY KS 66106					<b>Use</b>	monitor well	<b>Status</b>
<b>Stratigraphy Information</b>					Sealed		
Geological Material					<b>Well Hydrofractured?</b>		
From To (ft.) Color Hardness					Yes <input type="checkbox"/> No <input type="checkbox"/> From To		
BLACK SOIL TO 0 3 BLK/BRN					Casing Type Single casing Joint		
SAT. SAND FINE/MED. 3 8 BROWN					Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below		
FINE/MED SAT SAND 8 15 BROWN					<b>Casing Diameter</b>		
					Weight		
					Hole Diameter		
					2 in. To 5 ft. lbs./ft. 8.2 in. To 15 ft.		
					<b>Open Hole</b>		
					From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/>		
					Type stainless Make COOK		
					Diameter Slot/Gauze Length Set		
					2 in. 10 10 ft. 5 ft. 15 ft.		
					<b>Static Water Level</b>		
					8 ft. land surface Measure 06/17/1991		
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b>		
					Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					neat cement ft. 4 ft.		
					<b>Nearest Known Source of Contamination</b>		
					feet Direction Volatile organic compounds Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name		
					Model Number HP Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer Quat. Water		
					Last Strat sand-brown Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 456618 Y 5004522		
					Unique Number Verification Site Plan Input Date 07/18/2012		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Thein Well Co. 34050 THEIN,M.		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**  
 WELL SEALED 12-06-1996 BY 34050



**492563**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 05/02/1995  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>
MW-6	120	23	W 23	ABCCBB	21 ft.	19 ft.	06/19/1991
<b>Elevation</b>	960 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)				
<b>Address</b>					<b>Drill Method</b>	<b>Drill Fluid</b>	
Well 13028 MAIN ST ROGERS MN 55374					Use monitor well	<b>Status</b> Sealed	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	<b>From To</b>	
Geological Material From To (ft.) Color Hardness					Yes <input type="checkbox"/> No <input type="checkbox"/>		
TOP SOIL TO BR. CLAY 0 4					<b>Casing Type</b>	<b>Joint</b>	
BR. CLAY TO BR. 4 6 BROWN					Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b>	
WET SANDY BR. CLAY 6 9 BROWN					<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
WET SANDY BR. CLAY 9 14 BROWN					in. To 9 ft. lbs./ft.	8.2 in. To 21 ft.	
MOIST SANDY BR. 14 16 BROWN					<b>Open Hole</b>	From ft. To ft.	
WET SANDY BR. CLAY 16 21 BROWN					Screen? <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> COOK
					Diameter Slot/Gauze Length Set		
					2 in. 10 10 ft. 9 ft. 19 ft.		
					<b>Static Water Level</b>		
					9.9 ft. land surface	Measure	06/19/1991
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	Model	
					<input type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b>	Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	
					Material Amount From To		
					neat cement	ft. 8 ft.	
					<b>Nearest Known Source of Contamination</b>		
					feet Direction	Volatile organic compounds Type	
					Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed	Date Installed	
					Manufacturer's name		
					Model Number HP Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
					<b>Variance</b>		
					Was a variance granted from the MDH for this well?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<b>Miscellaneous</b>		
					First Bedrock	Aquifer Quat. Water	
					Last Strat clay+sand-brown	Depth to Bedrock ft	
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 456612 Y 5004529		
					Unique Number Verification Site Plan	Input Date 07/18/2012	
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Thein Well Co. 34050 HERRBOLDT, N.		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**  
 MW-6  
 WELL SEALED 12-06-1996 BY 34050

**492564**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 05/02/1995  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b> MW-7	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 23	<b>Subsection</b> ABCCBC	<b>Well Depth</b> 16 ft.	<b>Depth Completed</b> 16 ft.	<b>Date Well Completed</b> 06/18/1991
<b>Elevation</b> 964 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Power Auger	<b>Drill Fluid</b>	
<b>Address</b>					<b>Use</b> monitor well	<b>Status</b> Sealed	
Well 13028 MAIN ST ROGERS MN 55374					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Contact GOLDEN VALLEY					<b>Casing Type</b> Single casing <b>Joint</b>		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>		
<b>Geological Material</b>	<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
SANDY CLAY	0	4	BROWN		2 in. To 6 ft.	lbs./ft.	8.2 in. To 16 ft.
SILTY CLAY	4	9	BROWN				
FINE SAT SAND	9	14	BROWN				
FINE SAT SAND W/SILT	14	16	BROWN				
					<b>Open Hole</b>	<b>From</b>	<b>To</b>
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> COOK
					<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>
					2 in.	10	10 ft.
							6 ft. 16 ft.
					<b>Static Water Level</b>		
					8.7 ft.	land surface	Measure 06/18/1991
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	Model	
					<input type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					<b>Material</b>	<b>Amount</b>	<b>From</b> <b>To</b>
					neat cement		ft. 5 ft.
					<b>Nearest Known Source of Contamination</b>		
					<b>feet</b>	<b>Direction</b>	<b>Volatiles organic compounds</b> Type
					Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed <b>Date Installed</b>		
					Manufacturer's name		
					<b>Model Number</b>	<b>HP</b>	<b>Volt</b>
					<b>Length of drop pipe</b>	<b>ft</b>	<b>Capacity</b> <b>g.p.</b> <b>Typ</b>
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					<b>First Bedrock</b>	<b>Aquifer Quat. Water</b>	
					Last Strat sand+silt-brown	<b>Depth to Bedrock</b>	ft
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					<b>System</b> UTM - NAD83, Zone 15, Meters	X 456611	Y 5004504
					<b>Unique Number Verification</b>	<b>Site Plan</b>	<b>Input Date</b> 07/18/2012
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Thein Well Co.	34050	HERRBOLDT,N.
					Licensee Business	Lic. or Reg. No.	Name of Driller

**495977**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/17/2012  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b> MNDOT	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 23	<b>Subsection</b> ABCCCB	<b>Well Depth</b> 16 ft.	<b>Depth Completed</b> 15.6 ft.	<b>Date Well Completed</b> 12/15/1991
<b>Elevation</b> 968 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Power Auger	<b>Drill Fluid</b>	
<b>Address</b> C/W 13028 MAIN ST ROGERS MN 55374					<b>Use</b> monitor well	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>
Geological Material	From	To (ft.)	Color	Hardness	<b>Casing Type</b> Single casing <input type="checkbox"/> Joint <input type="checkbox"/>		
CLAY	0	2	BLACK		<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below		
CLAY/SILTY	2	4	DK. BRN		<b>Casing Diameter</b> 2 in. To 5.6 ft. lbs./ft.		
SILTY CLAY	4	6	GRN/BRN		<b>Hole Diameter</b> 8.2 in. To 15.6 ft.		
CLAY	6	8	LT. BRN		<b>Open Hole</b> From ft. To ft.		
SILTY CLAY	8	10	BROWN		<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> COOK		
SILTY CLAY W/SAND	10	16	BROWN		<b>Diameter</b> 2 in. <b>Slot/Gauze</b> 10 <b>Length</b> 10 ft. <b>Set</b> 5.6 ft. 15.6 ft.		
					<b>Static Water Level</b> 7 ft. land surface Measure 12/15/1991		
					<b>Pumping Level (below land surface)</b> ft. hrs. Pumping at g.p.m.		
					<b>Wellhead Completion</b> Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified Material Amount From To neat cement ft. 3.6 ft.		
					<b>Nearest Known Source of Contamination</b> feet Direction Type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed Date Installed Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity g.p. Typ		
					<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b> First Bedrock Aquifer Quat. Water Last Strat cly/snd/slt-no peb.-brn Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) System UTM - NAD83, Zone 15, Meters X 456611 Y 5004484 Unique Number Verification Site Plan Input Date 07/18/2012		
<b>Remarks</b>					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> Thein Well Co. 34050 THEIN,M. Licensee Business Lic. or Reg. No. Name of Driller		

**495978**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/17/2012  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>
MNDOT	120	23	W 23	BADDDA	16 ft.	16 ft.	12/15/1991
<b>Elevation</b>	966 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)				
<b>Address</b>					<b>Use</b>	<b>Status</b>	
C/W 13028 MAIN ST ROGERS MN					monitor well	Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	<b>From To</b>	
Geological Material From To (ft.) Color Hardness					Yes <input type="checkbox"/> No <input type="checkbox"/>		
CLAY 0 2 BLACK					<b>Casing Type</b>	<b>Joint</b>	
CLAY 2 4 LT. BRN					Single casing		
CLAY 4 6 DK. BRN					<b>Drive Shoe?</b>	<b>Above/Below</b>	
SILTY CLAY 6 16 GRAY					Yes <input type="checkbox"/> No <input type="checkbox"/>		
					<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
					2 in. To 6 ft.	lbs./ft.	8.2 in. To 16 ft.
					<b>Open Hole</b>	From ft.	To ft.
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> COOK
					Diameter Slot/Gauze Length Set		
					2 in. 10 10 ft. 6 ft. 16 ft.		
					<b>Static Water Level</b>		
					7 ft. land surface	Measure	12/15/1991
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	Model	
					<input type="checkbox"/> Casing Protection	<input type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b>	Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	
					Material Amount From To		
					neat cement	ft. 4 ft.	
					<b>Nearest Known Source of Contamination</b>		
					feet Direction	Type	
					Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed	Date Installed	
					Manufacturer's name		
					Model Number HP Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
					<b>Variance</b>		
					Was a variance granted from the MDH for this well?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<b>Miscellaneous</b>		
					First Bedrock	Aquifer Quat. Water	
					Last Strat silt+clay-gray	Depth to Bedrock ft	
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 456577 Y 5004483		
					Unique Number Verification Site Plan	Input Date 07/18/2012	
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Thein Well Co. 34050 THEIN,M.		
					Licensee Business Lic. or Reg. No. Name of Driller		

500346

County Hennepin

Quad

Quad ID

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/13/1992

Update Date 02/14/2014

Received Date 01/08/1990

<b>Well Name</b> BLOCK, EBERT	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 25	<b>Subsection</b> BAD	<b>Well Depth</b> 247 ft.	<b>Depth Completed</b> 247 ft.	<b>Date Well Completed</b> 10/24/1989
<b>Elevation</b>	<b>Elev. Method</b>				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Bentonite	
<b>Address</b>					<b>Use</b> domestic	<b>Status</b> Active	
C/W 20005 HWY 52 S ROGERS MN					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
<b>Stratigraphy Information</b>					<b>Casing Type</b> Single casing	<b>Joint</b> Threaded	
<b>Geological Material</b>					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b> 1 ft.	
	<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
CLAY	0	32	YELLOW	SOFT	4 in. To	177 ft. 4 lbs./ft.	6.2 in. To 177 ft.
CLAY	32	96	BLUE	MEDIUM			3 in. To 247 ft.
SAND-GRAVEL	96	106	BROWN	SFT-MED			
CLAY	106	122	BLUE	MEDIUM			
CLAY	122	139	BROWN	SOFT			
CLAY/GRAVEL	139	172	BROWN	HARD			
SAND ROCK/SHALE	172	247	TAN/BLU	HARD			
					<b>Open Hole</b>	<b>From</b> 177 ft.	<b>To</b> 247 ft.
					<b>Screen?</b> <input type="checkbox"/>	<b>Type</b>	<b>Make</b>
					<b>Static Water Level</b>		
					90 ft.	land surface	Measure 10/24/1989
					<b>Pumping Level (below land surface)</b>		
					110 ft.	3.5 hrs.	Pumping at 45 g.p.m.
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	MONITOR	Model QC
					<input type="checkbox"/> Casing Protection	<input type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material	Amount	From To
					bentonite		ft. 177 ft.
					<b>Nearest Known Source of Contamination</b>		
					50 feet	South Direction	Septic tank/drain field Type
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed	Date Installed	12/08/1989
					Manufacturer's name	MYERS	
					Model Number	J2025 HP 2	Volt 208
					Length of drop pipe	140 ft	Capacity 25 g.p. Typ Submersible
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock	Aquifer	
					Last Strat	Depth to Bedrock	ft
					Located by		
					Locate Method		
					System	UTM - NAD83, Zone 15, Meters	X Y
					Unique Number Verification	Input Date	
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Ruppert & Son	27086	RUPPERT, G.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b>							
<b>Minnesota Well Index Report</b>					500346		
					Printed on 07/26/2018 HE-01205-15		

**505628**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/13/1992  
 Update Date 03/21/2017  
 Received Date 12/19/1989

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>			
	120	23	W 25	DDACAB	245 ft.	245 ft.	11/07/1989			
<b>Elevation</b>	963 ft.	<b>Elev. Method</b>	LiDAR 1m DEM (MNDNR)							
<b>Address</b>					<b>Use</b>	commercial	<b>Status</b>			
Well 19180 LINDEN DR ROGERS MN							Active			
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<b>From</b>	<b>To</b>	
					<b>Casing Type</b>	Single casing	<b>Joint</b>	Threaded		
					<b>Drive Shoe?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<b>Above/Below</b>	1 ft.	
<b>Geological Material</b>					<b>Casing Diameter</b>	<b>Weight</b>				
					4 in. To	200 ft.	10.7 lbs./ft.			
From To (ft.) Color Hardness					<b>Open Hole</b>					
CLAY 0 5 DK. BRN					From	200 ft.	To	245 ft.		
CLAY 5 11 LT. BRN					<b>Screen?</b>	<input type="checkbox"/>	<b>Type</b>	<b>Make</b>		
CLAY 11 60 GRAY					<b>Static Water Level</b>					
GRAVEL 60 96 BROWN					81 ft.	land surface	Measure	11/02/1989		
CLAY 96 116 GRAY					<b>Pumping Level (below land surface)</b>					
GRAVEL 60 96 BROWN					100 ft.	4 hrs.	Pumping at	35 g.p.m.		
CLAY 96 116 GRAY					<b>Wellhead Completion</b>					
CLAY & GRAVEL MIX 116 121 GRAY					Pitless adapter manufacturer	BAKER	Model	SNAPPY		
FINE SAND 121 129 BROWN					<input type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade				
SOFT CLAY 129 175 GRAY					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)					
SOFT CLAY 175 183 GRAY					<b>Grouting Information</b>					
CLAY 183 192 RED					Well Grouted?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Specified		
ST. LAWRENCE 192 194 RED					Material	Amount	From	To		
FRANCONIA 194 200 RED					bentonite		ft.	200 ft.		
FRANCONIA 200 210 BLUE					<b>Nearest Known Source of Contamination</b>					
FRANCONIA 210 213 TAN					<u>110</u> feet	<u>Southwest</u> Direction	<u>Septic tank/drain field</u> Type			
FRANCONIA - GOLD 213 218 YELLOW					Well disinfected upon completion?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			
FRANCONIA 218 245 YELLOW					<b>Pump</b>					
					<input type="checkbox"/> Not Installed	Date Installed	12/06/1989			
					Manufacturer's name	GRUNDFOS				
					Model Number	16S10-10 HP	Volt	230		
					Length of drop pipe	105 ft	Capacity	g.p.	Typ	Submersible
					<b>Abandoned</b>					
					Does property have any not in use and not sealed well(s)?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
					<b>Variance</b>					
					Was a variance granted from the MDH for this well?			<input type="checkbox"/> Yes	<input type="checkbox"/> No	
					<b>Miscellaneous</b>					
					First Bedrock	St.Lawrence Formation	Aquifer	St.Lawrence-		
					Last Strat	Tunnel City Group	Depth to Bedrock	192 ft		
					Located by Minnesota Geological Survey					
					Locate Method GPS SA Off (averaged)					
					System	UTM - NAD83, Zone 15, Meters	X	458880	Y	5001911
					Unique Number Verification	Address verification	Input Date	11/17/2014		
					<b>Angled Drill Hole</b>					
					<b>Well Contractor</b>					
					Renner E.H. Well	71015	DAVIDSON, D.			
					Licenses Business	Lic. or Reg. No.	Name of Driller			
<b>Remarks</b>					<b>Minnesota Well Index Report</b>					
LINDEN TERRACE ADDITION, BLOCK 1, LOT 3.					505628					
					Printed on 07/26/2018					
					HE-01205-15					

524226

County Hennepin  
 Quad Anoka  
 Quad ID 120B

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 12/23/1993  
 Update Date 10/01/2015  
 Received Date

<b>Well Name</b> UNKE, GLEN	<b>Township</b> 119	<b>Range</b> 22	<b>Dir Section</b> W 5	<b>Subsection</b> CDCCBD	<b>Well Depth</b> 87 ft.	<b>Depth Completed</b> 87 ft.	<b>Date Well Completed</b> 04/12/1993
<b>Elevation</b> 952 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Qwik gel	
<b>Address</b> Well 17050 101ST AV N MAPLE GROVE MN 55311					<b>Use</b> domestic	<b>Status</b> Sealed	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing <b>Joint</b> Solvent Welded		
CLAY 0 25 YELLOW MEDIUM					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>		
CLAY 25 72 BLUE MEDIUM					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
SAND 72 87 YEL/BRN SOFT					4 in. To 82 ft. lbs./ft. 8 in. To 30 ft. 6.5 in. To 82 ft.		
					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON		
					Diameter Slot/Gauze Length Set		
					2 in. 12 5 ft. 82 ft. 87 ft.		
					<b>Static Water Level</b>		
					45 ft. land surface Measure 04/12/1993		
					<b>Pumping Level (below land surface)</b>		
					69 ft. 3 hrs. Pumping at 30 g.p.m.		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer WHITEWATER Model SU5.50		
					<input checked="" type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					bentonite 3 Sacks 30 ft. 82 ft.		
					neat cement 3 Sacks ft. 30 ft.		
					<b>Nearest Known Source of Contamination</b>		
					60 feet Northeast Direction Septic tank/drain field Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 04/13/1993		
					Manufacturer's name AERMOTER		
					Model Number SD1250 HP 0.5 Volt 115		
					Length of drop pipe 69 ft Capacity 12 g.p. Typ Submersible		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer Quat. buried		
					Last Strat sand Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 460924 Y 4998489		
					Unique Number Verification Address verification Input Date 07/07/2008		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Mc Alpine's Well Co. 27186 MCALPINE, T.		
					Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b> SEALED 11-03-2009 BY 2255; PREVIOUS USE: DO							
<b>Minnesota Well Index Report</b>					524226		
					Printed on 07/26/2018 HE-01205-15		

547632

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 12/17/1996  
 Update Date 02/14/2014  
 Received Date

<b>Well Name</b> WALTON,	<b>Township</b> 120	<b>Range</b> 22	<b>Dir Section</b> W 32	<b>Subsection</b> BCCBBC	<b>Well Depth</b> 82 ft.	<b>Depth Completed</b> 82 ft.	<b>Date Well Completed</b> 10/27/1994
<b>Elevation</b> 945 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Bentonite	
<b>Address</b> Well 17401 113TH AV N DAYTON MN 55327					<b>Use</b> domestic	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing <b>Joint</b>		
CLAY 0 23 YELLOW MEDIUM					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Above/Below</b>	
CLAY 23 69 BLUE MEDIUM					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
SAND COARSE 69 82 BROWN					4 in. To 72 ft. lbs./ft.	7 in. To 82 ft.	
					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b> CRESTLINE		
					Diameter Slot/Gauze Length Set		
					4 in. 18 10 ft. 72 ft. 82 ft.		
					<b>Static Water Level</b>		
					58 ft. land surface Measure 10/26/1994		
					<b>Pumping Level (below land surface)</b>		
					82 ft. 3 hrs. Pumping at 30 g.p.m.		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer MAASS Model		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					cuttings 41 ft. 72 ft.		
					bentonite ft. 40 ft.		
					<b>Nearest Known Source of Contamination</b>		
					50 feet Southwest Direction Sewer Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 10/27/1994		
					Manufacturer's name STA-RITE		
					Model Number 10P4C0ST HP 0.5 Volt 230		
					Length of drop pipe 70 ft Capacity 10 g.p. Typ Submersible		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer Quat. buried		
					Last Strat sand-brown Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 460572 Y 5000990		
					Unique Number Verification Address verification Input Date 07/24/2008		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Ruppert & Son 27086 RUPPERT, C.		
					Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b>							

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 12/09/1996  
**Update Date** 10/01/2015  
**Received Date** 12/01/1995

**County** Hennepin  
**Quad** Anoka  
**Quad ID** 120B

**556724**

<b>Well Name</b> ROEDER, IRENE	<b>Township</b> 119	<b>Range</b> 22	<b>Dir Section</b> W 8	<b>Subsection</b> BABDBA	<b>Well Depth</b> 82 ft.	<b>Depth Completed</b> 82 ft.	<b>Date Well Completed</b> 02/10/1995																				
<b>Elevation</b> 943 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Non-specified Rotary		<b>Drill Fluid</b> Bentonite																							
<b>Address</b> Well 16975 101ST AV N MAPLE GROVE MN 55311					<b>Use</b> domestic <span style="float:right"><b>Status</b> Active</span>																						
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>																						
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">Geological Material</th> <th style="width:10%;">From</th> <th style="width:10%;">To (ft.)</th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> </tr> </thead> <tbody> <tr> <td>CLAY</td> <td>0</td> <td>15</td> <td>YELLOW</td> <td>SOFT</td> </tr> <tr> <td>CLAY</td> <td>15</td> <td>67</td> <td>BLUE</td> <td>HARD</td> </tr> <tr> <td>SAND</td> <td>67</td> <td>82</td> <td>BROWN</td> <td>SOFT</td> </tr> </tbody> </table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	15	YELLOW	SOFT	CLAY	15	67	BLUE	HARD	SAND	67	82	BROWN	SOFT	<b>Casing Type</b> Single casing <span style="float:right"><b>Joint</b></span>		
Geological Material	From	To (ft.)	Color	Hardness																							
CLAY	0	15	YELLOW	SOFT																							
CLAY	15	67	BLUE	HARD																							
SAND	67	82	BROWN	SOFT																							
<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>																						
					4 in. To 72 ft. lbs./ft. 7 in. To 82 ft.																						
<b>Open Hole</b> From ft. To ft.					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b> CRESTLINE																						
					Diameter Slot/Gauze Length Set																						
					4 in. 18 10 ft. 72 ft. 82 ft.																						
<b>Static Water Level</b>					55 ft. land surface Measure 02/09/1995																						
<b>Pumping Level (below land surface)</b>					75 ft. 3 hrs. Pumping at 15 g.p.m.																						
<b>Wellhead Completion</b>					Pitless adapter manufacturer MAASS Model																						
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade																						
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																						
<b>Grouting Information</b>					Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified																						
					Material Amount From To																						
					cuttings 45 ft. 72 ft.																						
					bentonite ft. 45 ft.																						
<b>Nearest Known Source of Contamination</b>					75 feet West Direction Sewer Type																						
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						
<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 02/10/1995					Manufacturer's name MEYERS																						
					Model Number JS11P HP 0.5 Volt 230																						
					Length of drop pipe 70 ft Capacity 12 g.p. Typ Submersible																						
<b>Abandoned</b>					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
<b>Variance</b>					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No																						
<b>Miscellaneous</b>					First Bedrock Aquifer Quat. buried																						
					Last Strat sand-brown Depth to Bedrock ft																						
					Located by Minnesota Geological Survey																						
					Locate Method Digitization (Screen) - Map (1:24,000)																						
					System UTM - NAD83, Zone 15, Meters X 461021 Y 4998301																						
					Unique Number Verification Address verification Input Date 07/07/2008																						
<b>Angled Drill Hole</b>																											
<b>Well Contractor</b>					Ruppert & Son 27086 RUPPERT, J.																						
					Licensee Business Lic. or Reg. No. Name of Driller																						

**Remarks**  
SEALING REPORT H-52745 FOR OLD WELL.

**559029**County Hennepin  
Quad Rogers  
Quad ID 121AMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 12/17/1996  
Update Date 02/18/2015  
Received Date 05/10/1995

<b>Well Name</b> PETERSON,	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 36	<b>Subsection</b> DCDCCA	<b>Well Depth</b> 85 ft.	<b>Depth Completed</b> 85 ft.	<b>Date Well Completed</b> 03/29/1995
<b>Elevation</b> 915 ft.	<b>Elev. Method</b> LiDAR 1m DEM (MNDNR)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Qwik gel	
<b>Address</b> C/W 10901 BROCKTON LA ROGERS MN					<b>Use</b> domestic	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b> <b>To</b>	
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Single casing	<b>Joint</b> Solvent Welded	
SAND & GRAVEL 0 5 GRY/BLK SOFT					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b>	
SAND 5 13 BLACK SOFT					<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
CLAY 13 53 GRAY MEDIUM					4 in. To 80 ft. lbs./ft.	6.5 in. To 80 ft.	
SAND 53 85 BRN/YEL SOFT					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> JOHNSON
					Diameter Slot/Gauze Length Set	2 in. 10 5 ft. 80 ft. 85 ft.	
					<b>Static Water Level</b>		
					20 ft. land surface	Measure	03/29/1995
					<b>Pumping Level (below land surface)</b>		
					60 ft. 3 hrs. Pumping at	30 g.p.m.	
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	MONITOR	Model 4AO5.5
					<input checked="" type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material	Amount	From To
					cuttings		30 ft. 80 ft.
					bentonite	2 Sacks	ft. 30 ft.
					<b>Nearest Known Source of Contamination</b>		
					50 feet	South Direction	Septic tank/drain field Type
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 03/30/1995		
					Manufacturer's name	AERMOTER	
					Model Number	12T50	HP 0.5 Volt 230
					Length of drop pipe	60 ft	Capacity 12 g.p. Typ Submersible
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock	Aquifer Quat. buried	
					Last Strat sand	Depth to Bedrock ft	
					Located by Minnesota Geological Survey		
					Locate Method GPS SA Off (averaged)		
					System	UTM - NAD83, Zone 15, Meters	X 458416 Y 5000091
					Unique Number Verification	Address verification	Input Date 01/23/2015
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Mc Alpine's Well Co.	27186	MCALPINE, S.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b>					<b>Minnesota Well Index Report</b>		
					559029		
					Printed on 07/26/2018		
					HE-01205-15		

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 07/16/2012  
**Update Date** 02/16/2015  
**Received Date**

**County** Hennepin  
**Quad** Rogers  
**Quad ID** 121A

**568739**

<b>Well Name</b> MW-1	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 14	<b>Subsection</b> DCCACA	<b>Well Depth</b> 15 ft.	<b>Depth Completed</b> 15 ft.	<b>Date Well Completed</b> 08/31/1995
<b>Elevation</b> 958 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Auger (non-specified) <b>Drill Fluid</b>					
<b>Address</b>					<b>Use</b> monitor well <b>Status</b> Active		
Well 13400 ROGERS DR ROGERS MN 55374					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Contact 3100 WEST END AV NASHVILLE IN 37202					<b>Casing Type</b> Single casing <b>Joint</b> Threaded		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>		
<b>Geological Material</b>		<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>	
SILTY CLAY, DK.		0	5	GRY/BRN		2 in. To 5 ft.	8 in. To 15 ft.
CLAYEY SILT, STIFF		5	15	BROWN			
<b>Open Hole</b>					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b> JOHNSON		
<b>Diameter</b>		<b>Slot/Gauze</b>	<b>Length</b>	<b>Set</b>			
2 in.		10	10 ft.	5 ft.	15 ft.		
<b>Static Water Level</b>					<b>Pumping Level (below land surface)</b>		
4 ft.		land surface		Measure		null	
<b>Wellhead Completion</b>					<b>Well Grouted?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
Pitless adapter manufacturer					Model		
<input checked="" type="checkbox"/> Casing Protection		<input checked="" type="checkbox"/> 12 in. above grade		<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)			
<b>Material</b>		<b>Amount</b>		<b>From</b>		<b>To</b>	
concrete		3 Sacks		ft. 4		ft.	
<b>Nearest Known Source of Contamination</b>					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed <b>Date Installed</b>		
feet		Direction		Type			
Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Manufacturer's name		
Model Number		HP		Volt			
Length of drop pipe		ft Capacity		g.p. Typ			
<b>Abandoned</b>					<b>Variance</b>		
Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>Miscellaneous</b>					<b>Angled Drill Hole</b>		
<b>First Bedrock</b>		<b>Aquifer Quat. Water</b>					
Last Strat silt+clay-brown		Depth to Bedrock		ft			
Located by Minnesota Geological Survey					<b>Well Contractor</b>		
Locate Method Digitization (Screen) - Map (1:24,000)					STS Consultants, Ltd. M0150 ZEHNDER, D.		
<b>System</b> UTM - NAD83, Zone 15, Meters		X 456720		Y 5004987			
<b>Unique Number Verification</b>		<b>Site Plan</b>		<b>Input Date</b> 07/16/2012			
<b>Remarks</b>					<b>Well Contractor</b>		
					STS Consultants, Ltd. M0150 ZEHNDER, D.		
					Licensee Business Lic. or Reg. No. Name of Driller		

568740

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 07/16/2012  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b> MW-2	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 14	<b>Subsection</b> DCCADC	<b>Well Depth</b> 15 ft.	<b>Depth Completed</b> 15 ft.	<b>Date Well Completed</b> 08/31/1995	
<b>Elevation</b> 962 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Auger (non-specified)	<b>Drill Fluid</b>		
<b>Address</b>					<b>Use</b> monitor well	<b>Status</b> Active		
Well 13400 ROGERS DR ROGERS MN 55374					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>			
Contact 3100 WEST END AV NASHVILLE IN 37202					<b>Casing Type</b> Single casing <b>Joint</b> Threaded			
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>			
<b>Geological Material</b>		<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
TOPSOIL		0	5	BLACK		2 in. To 5 ft.	8 in. To 15 ft.	
SILTY CLAY, STIFF-V.		5	15	BROWN				
<b>Open Hole</b>					<b>From</b>	<b>ft.</b>	<b>To</b> <b>ft.</b>	
<b>Screen?</b> <input checked="" type="checkbox"/>					<b>Type</b>	<b>Make</b> JOHNSON		
<b>Static Water Level</b>					4 ft.	land surface	Measure 09/05/1995	
<b>Pumping Level (below land surface)</b>								
<b>Wellhead Completion</b>								
Pitless adapter manufacturer					Model			
<input checked="" type="checkbox"/> Casing Protection					<input checked="" type="checkbox"/> 12 in. above grade			
<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)								
<b>Grouting Information</b>					<b>Well Grouted?</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Specified
<b>Nearest Known Source of Contamination</b>								
		<b>feet</b>	<b>Direction</b>				<b>Type</b>	
Well disinfected upon completion?					<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
<b>Pump</b> <input checked="" type="checkbox"/> Not Installed					Date Installed			
Manufacturer's name								
Model Number			HP		Volt			
Length of drop pipe			ft Capacity		g.p. Typ			
<b>Abandoned</b>								
Does property have any not in use and not sealed well(s)?					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>Variance</b>								
Was a variance granted from the MDH for this well?					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>Miscellaneous</b>								
First Bedrock					Aquifer Quat. Water			
Last Strat		silt+clay-brown			Depth to Bedrock ft			
Located by Minnesota Geological Survey								
Locate Method Digitization (Screen) - Map (1:24,000)								
System		UTM - NAD83, Zone 15, Meters		X 456751		Y 5004966		
Unique Number Verification			Site Plan		Input Date 07/16/2012			
<b>Angled Drill Hole</b>								
<b>Well Contractor</b>								
STS Consultants, Ltd.			M0150		ZEHNDER, D.			
Licensee Business			Lic. or Reg. No.		Name of Driller			
<b>Minnesota Well Index Report</b>				<b>568740</b>		Printed on 07/26/2018 HE-01205-15		

**568741**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b> MW-3	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 14	<b>Subsection</b> DCCDBA	<b>Well Depth</b> 15 ft.	<b>Depth Completed</b> 15 ft.	<b>Date Well Completed</b> 09/01/1995
<b>Elevation</b> 960 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Cored		<b>Drill Fluid</b>			
<b>Address</b>					<b>Use</b> monitor well	<b>Status</b> Active	
Well 13400 ROGERS DR ROGERS MN 55374					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Contact 3100 WEST END AV NASHVILLE IN 37202					<b>Casing Type</b> Single casing <b>Joint</b> Threaded		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>		
<b>Geological Material</b>		<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>	
SILTY CLAY, STIFF		0	12	BROWN		2 in. To 5 ft.	8 in. To 15 ft.
SILTY CLAY, STIFF		12	15	BROWN			
FINE SAND, LOOSE		12	12	BROWN			
<b>Open Hole</b>					<b>From</b>	<b>ft.</b>	<b>To</b> <b>ft.</b>
<b>Screen?</b> <input checked="" type="checkbox"/>					<b>Type</b> slotted pipe		<b>Make</b> JOHNSON
<b>Diameter</b>		<b>Slot/Gauze</b>	<b>Length</b>	<b>Set</b>			
2 in.		10	10 ft.	5 ft.	15 ft.		
<b>Static Water Level</b>							
5 ft.		land surface		<b>Measure</b>	09/05/1995		
<b>Pumping Level (below land surface)</b>							
<b>Wellhead Completion</b>							
Pitless adapter manufacturer					<b>Model</b>		
<input checked="" type="checkbox"/> Casing Protection		<input checked="" type="checkbox"/> 12 in. above grade					
<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)							
<b>Grouting Information</b>					<b>Well Grouted?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
<b>Material</b>		<b>Amount</b>		<b>From</b>	<b>To</b>		
concrete		3 Sacks			ft. 4 ft.		
<b>Nearest Known Source of Contamination</b>							
<b>feet</b>		<b>Direction</b>		<b>Type</b>			
Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
<b>Pump</b> <input checked="" type="checkbox"/> Not Installed <b>Date Installed</b>							
Manufacturer's name							
<b>Model Number</b>		<b>HP</b>		<b>Volt</b>			
Length of drop pipe		ft	Capacity	g.p.	Typ		
<b>Abandoned</b>							
Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
<b>Variance</b>							
Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
<b>Miscellaneous</b>							
<b>First Bedrock</b>		<b>Aquifer Quat. Water</b>					
Last Strat silt+clay-brown		Depth to Bedrock		ft			
Located by Minnesota Geological Survey							
Locate Method Digitization (Screen) - Map (1:24,000)							
<b>System</b>		UTM - NAD83, Zone 15, Meters		X 456735	Y 5004920		
<b>Unique Number Verification</b>		<b>Site Plan</b>		<b>Input Date</b>		07/16/2012	
<b>Angled Drill Hole</b>							
<b>Well Contractor</b>							
STS Consultants, Ltd.		M0150		ZEHNDER, D.			
Licensee Business		Lic. or Reg. No.		Name of Driller			
<b>Remarks</b>							
<b>Minnesota Well Index Report</b>					<b>568741</b>		
					Printed on 07/26/2018 HE-01205-15		

568771

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date  
 Update Date 02/16/2015  
 Received Date

<b>Well Name</b> MW-4	<b>Township</b> 120	<b>Range</b> 23	<b>Dir Section</b> W 14	<b>Subsection</b> DCCACD	<b>Well Depth</b> 16.5 ft.	<b>Depth Completed</b> 15.2 ft.	<b>Date Well Completed</b> 04/23/1996
<b>Elevation</b> 959 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)	<b>Drill Method</b> Auger (non-specified)		<b>Drill Fluid</b>			
<b>Address</b>					<b>Use</b> monitor well	<b>Status</b> Active	
Well 13400 ROGERS DR ROGERS MN 55374					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Contact 3100 WESTEND AV NASHVILLE TN 37202					<b>Casing Type</b> Single casing <b>Joint</b> Threaded		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>		
<b>Geological Material</b>	<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
SILTY CLAY, V. STIFF	0	5	GRY/BRN		2 in. To	5.2 ft. lbs./ft.	10 in. To 16.5 ft.
SILTY CLAY, FIRM	5	10	GRY/BRN				
SILTY CLAY, V. STIFF	10	17	GRAY				
					<b>Open Hole</b>	<b>From</b>	<b>To</b>
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> plastic	<b>Make</b> JOHNSON
					<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>
					2 in.	10	10 ft.
						5.2 ft.	15.2 ft.
					<b>Static Water Level</b>		
					4.4 ft.	land surface	Measure 04/23/1996
					<b>Pumping Level (below land surface)</b>		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	Model	
					<input checked="" type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b>	<b>Well Grouted?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	
					<b>Material</b>	<b>Amount</b>	<b>From</b> <b>To</b>
					concrete	3 Sacks	ft. 4 ft.
					<b>Nearest Known Source of Contamination</b>		
					<b>feet</b>	<b>Direction</b>	<b>Type</b>
					Well disinfected upon completion?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed	<b>Date Installed</b>	
					Manufacturer's name		
					<b>Model Number</b>	<b>HP</b>	<b>Volt</b>
					<b>Length of drop pipe</b>	<b>ft</b>	<b>Capacity</b> <b>g.p.</b> <b>Typ</b>
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Miscellaneous</b>		
					<b>First Bedrock</b>	<b>Aquifer Quat. Water</b>	
					Last Strat silt+clay-gray	<b>Depth to Bedrock</b>	ft
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					<b>System</b> UTM - NAD83, Zone 15, Meters	X 456724	Y 5004965
					<b>Unique Number Verification</b>	<b>Site Plan</b>	<b>Input Date</b> 07/16/2012
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					STS Consultants, Ltd.	M0150	DAVIS, G.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b>							

**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 12/16/1996  
**Update Date** 02/14/2014  
**Received Date** 01/22/1996

**County** Hennepin  
**Quad** Rogers  
**Quad ID** 121A

**574013**

<b>Well Name</b>	Township	Range	Dir Section	Subsection	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>
	120	22	W 31	ADADCC	94 ft.	94 ft.	11/20/1995
<b>Elevation</b>	951 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)				
<b>Address</b>					<b>Use</b>	<b>Status</b>	
Well 17601 113TH AV NE DAYTON MN 55327					domestic	Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>		
Geological Material					Yes <input type="checkbox"/> No <input type="checkbox"/> From To		
CLAY					Casing Type		
CLAY					Single casing Joint		
GRAVEL					Drive Shoe?		
CLAY					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Above/Below		
From To (ft.) Color Hardness					<b>Casing Diameter</b>		
CLAY 0 10 YELLOW MEDIUM					Weight		
CLAY 10 55 GRAY MEDIUM					Hole Diameter		
GRAVEL 55 94 BROWN MEDIUM					4 in. To 89 ft. 1.9 lbs./ft. 6.5 in. To 94 ft.		
CLAY 94 94 BROWN MEDIUM					<b>Open Hole</b>		
					From ft. To ft.		
					Screen? <input checked="" type="checkbox"/> Type stainless Make JOHNSON		
					Diameter Slot/Gauze Length Set		
					2 in. 18 5 ft. 89 ft. 94 ft.		
					<b>Static Water Level</b>		
					65 ft. land surface Measure 11/20/1995		
					<b>Pumping Level (below land surface)</b>		
					89 ft. 2 hrs. Pumping at 30 g.p.m.		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer MONITOR Model BULLDOG		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b>		
					Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					high solids bentonite 0.17 Cubic yards ft. 30 ft.		
					<b>Nearest Known Source of Contamination</b>		
					49 feet Northeast Direction Septic tank/drain field Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b>		
					<input type="checkbox"/> Not Installed Date Installed 11/21/1995		
					Manufacturer's name AERMOTOR		
					Model Number T12-50 HP 0.5 Volt 230		
					Length of drop pipe 78 ft Capacity 12 g.p. Typ Submersible		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer Quat. buried		
					Last Strat clay-brown Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System UTM - NAD83, Zone 15, Meters X 460470 Y 5001040		
					Unique Number Verification Address verification Input Date 07/24/2008		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Mc Alpine Brothers 86270 GOODIN, G.		
					Licensee Business Lic. or Reg. No. Name of Driller		



**579120**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 08/08/1997  
 Update Date 02/14/2014  
 Received Date 08/25/1997

<b>Well Name</b> JESKE, BILL	<b>Township</b> 120	<b>Range</b> 22	<b>Dir Section</b> W 31	<b>Subsection</b> ADABDB	<b>Well Depth</b> 95 ft.	<b>Depth Completed</b> 95 ft.	<b>Date Well Completed</b> 10/14/1996																									
<b>Elevation</b> 952 ft. <b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)					<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Bentonite																										
<b>Address</b> Well 17620 113TH AV N DAYTON MN 55327					<b>Use</b> domestic	<b>Status</b> Active																										
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>																											
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">Geological Material</th> <th style="width:10%;">From</th> <th style="width:10%;">To (ft.)</th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> </tr> </thead> <tbody> <tr> <td>CLAY/GRAVEL</td> <td>0</td> <td>32</td> <td>BROWN</td> <td>MEDIUM</td> </tr> <tr> <td>CLAY</td> <td>32</td> <td>50</td> <td>BROWN</td> <td>MEDIUM</td> </tr> <tr> <td>CLAY</td> <td>50</td> <td>77</td> <td>GRAY</td> <td>MEDIUM</td> </tr> <tr> <td>WATER SAND</td> <td>77</td> <td>95</td> <td>BROWN</td> <td>SOFT</td> </tr> </tbody> </table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY/GRAVEL	0	32	BROWN	MEDIUM	CLAY	32	50	BROWN	MEDIUM	CLAY	50	77	GRAY	MEDIUM	WATER SAND	77	95	BROWN	SOFT	<b>Casing Type</b> Single casing <b>Joint</b>		
Geological Material	From	To (ft.)	Color	Hardness																												
CLAY/GRAVEL	0	32	BROWN	MEDIUM																												
CLAY	32	50	BROWN	MEDIUM																												
CLAY	50	77	GRAY	MEDIUM																												
WATER SAND	77	95	BROWN	SOFT																												
					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>																											
					<b>Casing Diameter</b> 4 in. To 85 ft. lbs./ft.		<b>Hole Diameter</b> 6.2 in. To 95 ft.																									
					<b>Open Hole</b> From ft. To ft.																											
					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b> JAYCO																											
					<b>Diameter</b> 4 in. <b>Slot/Gauze</b> 18 <b>Length</b> 10 ft. <b>Set</b> 85 ft. <b>To</b> 95 ft.																											
					<b>Static Water Level</b> 70 ft. land surface Measure 08/14/1996																											
					<b>Pumping Level (below land surface)</b> 85 ft. 2.5 hrs. Pumping at 30 g.p.m.																											
					<b>Wellhead Completion</b> Pitless adapter manufacturer MAASS Model 4JC1 <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																											
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified Material high solids bentonite Amount From To ft. 85 ft.																											
					<b>Nearest Known Source of Contamination</b> 50 feet North Direction Septic tank/drain field Type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No																											
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 10/14/1996 Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity g.p. Typ Submersible																											
					<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																											
					<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																											
					<b>Miscellaneous</b> First Bedrock Aquifer Quat. buried Last Strat sand-brown Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) System UTM - NAD83, Zone 15, Meters X 460430 Y 5001163 Unique Number Verification Address verification Input Date 07/24/2008																											
<b>Remarks</b>					<b>Angled Drill Hole</b>																											
					<b>Well Contractor</b> Ruppert & Son 27086 RUPPERT, C. Licensee Business Lic. or Reg. No. Name of Driller																											

581548

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date  
 Update Date 02/14/2014  
 Received Date

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>					
	120	22	W 31	ADDAAB	77 ft.	77 ft.	06/25/1996					
<b>Elevation</b>	948 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)									
<b>Address</b>					<b>Use</b>	domestic	<b>Status</b>	Active				
Well 17501 113TH AV N DAYTON MN 55327					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<b>From</b>	<b>To</b>			
<b>Stratigraphy Information</b>					<b>Casing Type</b>	Single casing	<b>Joint</b>	Solvent Welded				
Geological Material	From	To (ft.)	Color	Hardness	<b>Drive Shoe?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<b>Above/Below</b>				
CLAY	0	22	YELLOW	SOFT	<b>Casing Diameter</b>	<b>Weight</b>		<b>Hole Diameter</b>				
CLAY	22	53	BLUE	MEDIUM	4 in. To	72 ft.	lbs./ft.	6.5 in. To 72 ft.				
CLAY & GRAVEL	53	61	GRAY	MEDIUM	<b>Open Hole</b>							
SAND	61	77	GRY/BRN	SOFT	From	ft.	To	ft.				
					<b>Screen?</b>	<input checked="" type="checkbox"/>	<b>Type</b>	stainless	<b>Make</b>	JOHNSON		
					Diameter	Slot/Gauze	Length	Set				
					2 in.	12	5 ft.	72 ft.	77 ft.			
					<b>Static Water Level</b>							
					50 ft.	land surface	Measure	06/25/1996				
					<b>Pumping Level (below land surface)</b>							
					60 ft.	3 hrs.	Pumping at	30	g.p.m.			
					<b>Wellhead Completion</b>							
					Pitless adapter manufacturer	MONITOR		Model	4AO			
					<input checked="" type="checkbox"/>	Casing Protection	<input checked="" type="checkbox"/>	12 in. above grade				
					<input type="checkbox"/>	At-grade (Environmental Wells and Borings ONLY)						
					<b>Grouting Information</b>							
					Well Grouted?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	Not Specified	
					Material	Amount	From	To				
					cuttings		30	ft.	72	ft.		
					high solids bentonite	2 Sacks		ft.	30	ft.		
					<b>Nearest Known Source of Contamination</b>							
					50	feet	South	Direction	Septic tank/drain field	Type		
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
					<b>Pump</b>	<input type="checkbox"/>	Not Installed	Date Installed	06/26/1996			
					Manufacturer's name	AERMOTER						
					Model Number	S0T100	HP	1	Volt	230		
					Length of drop pipe	60	ft	Capacity	20	g.p.	Typ	Submersible
					<b>Abandoned</b>							
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
					<b>Variance</b>							
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
					<b>Miscellaneous</b>							
					First Bedrock	Aquifer Quat. buried						
					Last Strat	sand	Depth to Bedrock				ft	
					Located by Minnesota Geological Survey							
					Locate Method Digitization (Screen) - Map (1:24,000)							
					System	UTM - NAD83, Zone 15, Meters	X	460515	Y	5000999		
					Unique Number Verification	Address verification	Input Date	07/24/2008				
					<b>Angled Drill Hole</b>							
					<b>Well Contractor</b>							
					McAlpine Well Drilling	27695	MCALPINE, T.					
					Licensee Business	Lic. or Reg. No.	Name of Driller					
<b>Remarks</b>					<b>Minnesota Well Index Report</b>			581548		Printed on 07/26/2018 HE-01205-15		

587146

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 08/08/1997  
 Update Date 02/14/2014  
 Received Date 05/30/1997

<b>Well Name</b> HAROLD'S	<b>Township</b> 120	<b>Range</b> 22	<b>Dir Section</b> W 31	<b>Subsection</b> ADBBDB	<b>Well Depth</b> 91 ft.	<b>Depth Completed</b> 91 ft.	<b>Date Well Completed</b> 11/15/1996
<b>Elevation</b> 949 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Non-specified Rotary	<b>Drill Fluid</b> Bentonite	
<b>Address</b> Well 17700 113TH AV N DAYTON MN 55327					<b>Use</b> domestic	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>
Geological Material	From	To (ft.)	Color	Hardness	<b>Casing Type</b> Single casing <b>Joint</b>		
CLAY	0	22	YELLOW	MEDIUM	<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>		
CLAY	22	53	GRAY	MEDIUM	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
GRAVEL	53	91	BROWN	SOFT	4 in. To	86 ft. 1.9 lbs./ft.	6.2 in. To 91 ft.
CLAY	91	91	BROWN	MEDIUM	<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/>	<b>Type</b> stainless	<b>Make</b> JOHNSON
					<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>
					in. 18	5	ft. 86
					<b>Set</b>	<b>ft.</b>	<b>ft.</b>
					ft. 91	ft. 91	ft.
					<b>Static Water Level</b>		
					63 ft.	land surface	Measure 11/15/1996
					<b>Pumping Level (below land surface)</b>		
					ft. 2	hrs. Pumping at	25 g.p.m.
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	MONITOR	Model BULLDOG
					<input type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					<b>Material</b>	<b>Amount</b>	<b>From To</b>
					cuttings	0.17 Cubic yards	30 ft. 86 ft. 30 ft.
					<b>Nearest Known Source of Contamination</b>		
					55 feet	North Direction	Septic tank/drain field Type
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed	<b>Date Installed</b>	11/21/1996
					Manufacturer's name	AERMOTOR	
					Model Number	T12-50	HP 0.5 Volt 230
					Length of drop pipe	75 ft	Capacity 10 g.p. Typ Submersible
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock	Aquifer Quat. buried	
					Last Strat clay-brown	Depth to Bedrock ft	
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000)		
					System	UTM - NAD83, Zone 15, Meters	X 460236 Y 5001159
					Unique Number Verification	Address verification	Input Date 07/24/2008
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					McAlpine Bros., Inc.	27270	GOODIN, G.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b>							

**612314**

County Hennepin  
 Quad Rogers  
 Quad ID 121A

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 08/03/1998  
 Update Date 02/14/2014  
 Received Date 06/19/1998

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>
	120	22	W 32	BCBCBC	97 ft.	97 ft.	06/11/1998
<b>Elevation</b>	947 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)				
<b>Address</b>					<b>Use</b>	<b>Status</b>	
Well 17470 113TH AV N DAYTON MN 55327					domestic	Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	<b>Yes</b>	<b>No</b>
Geological Material						<input type="checkbox"/>	<input checked="" type="checkbox"/>
From To (ft.) Color Hardness					<b>From</b>	<b>To</b>	<b>Joint</b>
CLAY 0 14 YELLOW MEDIUM							Single casing
CLAY 14 52 GRAY MEDIUM							<b>Drive Shoe?</b>
GRAVEL 52 97 BROWN SOFT					<b>Yes</b>	<b>No</b>	<input checked="" type="checkbox"/>
CLAY 97 97 GRAY MEDIUM							<b>Above/Below</b>
					<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
					4 in. To 92 ft.	1.9 lbs./ft.	6.5 in. To 97 ft.
					<b>Open Hole</b>	<b>From</b>	<b>To</b>
						ft.	ft.
					<b>Screen?</b>	<b>Type</b>	<b>Make</b>
					<input checked="" type="checkbox"/>	stainless	JOHNSON
					<b>Diameter</b>	<b>Slot/Gauze</b>	<b>Length</b>
					2 in.	12	5 ft.
							<b>Set</b>
							92 ft. 97 ft.
					<b>Static Water Level</b>		
					60 ft.	land surface	Measure 06/11/1998
					<b>Pumping Level (below land surface)</b>		
					92 ft.	2 hrs.	Pumping at 50 g.p.m.
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer	MONITOR	Model BULLDOG
					<input type="checkbox"/> Casing Protection	<input checked="" type="checkbox"/> 12 in. above grade	
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b>	<b>Well Grouted?</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified
					<b>Material</b>	<b>Amount</b>	<b>From To</b>
					cuttings		30 ft. 92 ft.
					high solids bentonite	0.17 Cubic yards	ft. 30 ft.
					<b>Nearest Known Source of Contamination</b>		
					51 feet	Northeas Direction	Septic tank/drain field Type
					Well disinfected upon completion?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
					<b>Pump</b>	<input type="checkbox"/> Not Installed	Date Installed 06/12/1998
					Manufacturer's name	AERMOTOR	
					Model Number	T12-50	HP 0.5 Volt 230
					Length of drop pipe	80 ft	Capacity 10 g.p. Typ Submersible
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
					<b>Variance</b>		
					Was a variance granted from the MDH for this well?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
					<b>Miscellaneous</b>		
					First Bedrock	Aquifer Quat. buried	
					Last Strat clay-gray	Depth to Bedrock ft	
					Located by	Minnesota Geological Survey	
					Locate Method	Digitization (Screen) - Map (1:24,000)	
					System	UTM - NAD83, Zone 15, Meters	X 460559 Y 5001072
					Unique Number Verification	Address verification	Input Date 07/24/2008
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					McAlpine Bros., Inc.	27270	GOODIN, G.
					Licensee Business	Lic. or Reg. No.	Name of Driller

688314

County Hennepin

Quad

Quad ID

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date

Update Date 07/05/2006

Received Date 12/31/2003

<b>Well Name</b> CITY OF MAPLE	<b>Township</b> 119	<b>Range</b> 22	<b>Dir Section</b> W 26	<b>Subsection</b> B	<b>Well Depth</b> 26 ft.	<b>Depth Completed</b> 24 ft.	<b>Date Well Completed</b> 04/12/2003
<b>Elevation</b>	<b>Elev. Method</b>				<b>Drill Method</b> Cable Tool	<b>Drill Fluid</b>	
<b>Address</b> Well 12350 MAIN ST N MAPLE GROVE MN 55369					<b>Use</b> elevator	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>
Geological Material	From	To (ft.)	Color	Hardness	<b>Casing Type</b> Single casing	<b>Joint</b> Welded	
CLAY & GRAVEL	0	8	BROWN	MEDIUM	<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b> 4 ft.	
SILTY SAND	8	14	BROWN	MEDIUM	<b>Casing Diameter</b> 16 in.	<b>Weight</b> 24 ft. 62.5 lbs./ft.	
CLAY & ROCKS	14	26	BROWN	HARD	<b>Open Hole</b> From _____ ft. To _____ ft.		
					<b>Screen?</b> <input type="checkbox"/>	<b>Type</b>	<b>Make</b>
					<b>Static Water Level</b>		
					<b>Pumping Level (below land surface)</b> ft. hrs. Pumping at _____ g.p.m.		
					<b>Wellhead Completion</b> Pitless adapter manufacturer _____ Model _____ <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material	Amount	From To
					neat cement	2 Sacks	24 ft. 26 ft.
					<b>Nearest Known Source of Contamination</b> feet Direction Type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b> <input checked="" type="checkbox"/> Not Installed Date Installed _____ Manufacturer's name _____		
					Model Number	HP	Volt
					Length of drop pipe	ft Capacity	g.p. Typ
					<b>Abandoned</b> Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Variance</b> Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Miscellaneous</b> First Bedrock _____ Aquifer _____ Last Strat _____ Depth to Bedrock _____ ft Located by _____		
					Locate Method _____ System UTM - NAD83, Zone 15, Meters X Y Unique Number Verification _____ Input Date _____		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> Midwest Drilling L0004 STANGRET, J. Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b>							
<b>Minnesota Well Index Report</b>					688314		
					Printed on 07/26/2018 HE-01205-15		

**745605**

County Hennepin  
 Quad  
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
 Minnesota Statutes Chapter 1031

Entry Date 08/21/2009  
 Update Date 10/01/2015  
 Received Date

<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>
METROPOLITAN	119	22	W 5	BCC	70 ft.	70 ft.	05/10/2007
<b>Elevation</b>	<b>Elev. Method</b>		<b>Drill Method</b> Bucket Auger <b>Drill Fluid</b> Water				
<b>Address</b>					<b>Use</b> dewatering	<b>Status</b> Sealed	
Contact 390 ROBERT ST N ST PAUL MN 55101					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>From</b> <b>To</b>		
<b>Stratigraphy Information</b>					<b>Casing Type</b> Single casing <b>Joint</b> Welded		
Geological Material From To (ft.) Color Hardness					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>		
TOPSOIL 0 3 BLACK					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
SOFT CLAY 3 40 BROWN					12. in. To 30 ft. lbs./ft. 36 in. To 70 ft.		
SAND 40 70 BROWN					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b>		
					Diameter <input type="checkbox"/> Slot/Gauze Length Set		
					12. in. 40 30 ft. 40 ft. 70 ft.		
					<b>Static Water Level</b>		
					20 ft. land surface Measure 04/04/2007		
					<b>Pumping Level (below land surface)</b>		
					ft. hrs. Pumping at g.p.m.		
					<b>Wellhead Completion</b>		
					Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					<b>Grouting Information</b> Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified		
					Material Amount From To		
					other 3 Sacks ft. 40 ft.		
					<b>Nearest Known Source of Contamination</b>		
					feet Direction Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name		
					Model Number HP <u>10</u> Volt <u>480</u>		
					Length of drop pipe ft Capacity <u>200</u> g.p. Typ <u>Submersible</u>		
					<b>Abandoned</b>		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Variance</b>		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock Aquifer		
					Last Strat Depth to Bedrock ft		
					Located by		
					Locate Method		
					System UTM - NAD83, Zone 15, Meters X Y		
					Unique Number Verification Input Date		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Northern Dewatering, Inc. 1411 WIEKEN, T.		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**  
 TOTAL OF 42 DEWATERING WELLS INSTALLS  
 SEALED 08-31-2007 BY 1411; PREVIOUS USE: DW