



- County Well Index - Verified Locations
- Study Area

**Bass Ponds, Marsh and Wetland - Minnesota River - Recommended Plan**


**St. Paul District**  
 GIS CENTER  
 US Army Corps  
 of Engineers  
 \\mvd\mvp\PROJECTS\UMRR(EMP)\000Mn\_River  
 IEMP\_MVP\_Bass\_Lake\_Ponds\_MN\_40272540\_GIS\_Support  
 MXDIReportBassPonds\_Wells\_8x11.mxd MRW 20190405

Base Image: MnGeo 2016



**205968**

County Scott  
 Quad Eden  
 Quad ID 104C

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

Entry Date 02/11/1988  
 Update Date 06/02/2014  
 Received Date

<b>Well Name</b> TRANSIENT	<b>Township</b> 115	<b>Range</b> 21	<b>Dir Section</b> W 7	<b>Subsection</b> BCAABD	<b>Well Depth</b> 230 ft.	<b>Depth Completed</b> 230 ft.	<b>Date Well Completed</b>
<b>Elevation</b> 725 ft. <b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)					<b>Drill Method</b>		
<b>Address</b>					<b>Drill Fluid</b>		
<b>Stratigraphy Information</b> Geological Material      From      To (ft.)      Color      Hardness DRIFT (SAND & BLUE      0      230      BLUE GRAVEL      230      230					<b>Use</b> public supply/non-community		<b>Status</b> Inactive
					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>		<b>From</b> <b>To</b>
					<b>Casing Type</b> <b>Joint</b>		
					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>		<b>Above/Below</b>
<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>							
0 ft. land surface					Measure		08/00/1975
<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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified		
<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 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      Quat. buried		
Last Strat      gravel (+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 468734      Y 4959250							
Unique Number Verification      Information from      Input Date      10/09/1995							
<b>Angled Drill Hole</b>							
<b>Well Contractor</b>							
Licensee Business					Lic. or Reg. No.		Name of Driller

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

**Entry Date** 02/11/1988  
**Update Date** 02/14/2014  
**Received Date**

**County** Scott  
**Quad** Eden  
**Quad ID** 104C

**207068**

<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>																																																																					
LAWRENCE	115	22	W 12	AACAAB	185 ft.	130 ft.	06/07/1973																																																																					
<b>Elevation</b>	719 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)																																																																									
<b>Address</b>					<b>Drill Method</b>	<b>Drill Fluid</b>																																																																						
<b>Stratigraphy Information</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">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>SAND</td><td>0</td><td>19</td><td></td><td></td></tr> <tr><td>SANDSTONE</td><td>19</td><td>26</td><td></td><td></td></tr> <tr><td>SAND</td><td>26</td><td>41</td><td></td><td></td></tr> <tr><td>SANDSTONE</td><td>41</td><td>58</td><td></td><td></td></tr> <tr><td>SHALE</td><td>58</td><td>65</td><td></td><td></td></tr> <tr><td>SAND</td><td>65</td><td>71</td><td></td><td></td></tr> <tr><td>SHALE</td><td>71</td><td>88</td><td>GRAY</td><td></td></tr> <tr><td>SAND</td><td>88</td><td>97</td><td></td><td></td></tr> <tr><td>SANDSTONE</td><td>97</td><td>111</td><td></td><td></td></tr> <tr><td>SAND &amp; GRAVEL</td><td>111</td><td>127</td><td></td><td></td></tr> <tr><td>SANDSTONE &amp; SHALE</td><td>127</td><td>145</td><td></td><td></td></tr> <tr><td>SANDY CLAY</td><td>145</td><td>153</td><td></td><td></td></tr> <tr><td>SANDSTONE</td><td>153</td><td>185</td><td></td><td></td></tr> </tbody> </table>					Geological Material	From	To (ft.)	Color	Hardness	SAND	0	19			SANDSTONE	19	26			SAND	26	41			SANDSTONE	41	58			SHALE	58	65			SAND	65	71			SHALE	71	88	GRAY		SAND	88	97			SANDSTONE	97	111			SAND & GRAVEL	111	127			SANDSTONE & SHALE	127	145			SANDY CLAY	145	153			SANDSTONE	153	185			<b>Use</b> abandoned	<b>Status</b> Sealed
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<b>System</b>	UTM - NAD83, Zone 15, Meters		<b>X</b> 468215	<b>Y</b> 4959491																																																																								
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**Remarks**  
 GAMMA LOGGED 1-9-1995.  
 WELL SEALED 04-19-1995 BY 27022

**207070**

County Scott  
 Quad Eden  
 Quad ID 104C

MINNESOTA DEPARTMENT OF HEALTH  
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Entry Date 02/11/1988  
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Pumping at</td> <td>298 g.p.m.</td> </tr> <tr> <td colspan="3"><b>Wellhead Completion</b></td> </tr> <tr> <td colspan="2">Pitless adapter manufacturer</td> <td>Model</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Casing Protection</td> <td><input type="checkbox"/> 12 in. above grade</td> </tr> <tr> <td><input type="checkbox"/></td> <td colspan="2">At-grade (Environmental Wells and Borings ONLY)</td> </tr> <tr> <td><b>Grouting Information</b></td> <td>Well Grouted?</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified</td> </tr> <tr> <td colspan="3"><b>Nearest Known Source of Contamination</b></td> </tr> <tr> <td>feet</td> <td>Direction</td> <td>Type</td> </tr> <tr> <td>Well disinfected upon completion?</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td></td> </tr> <tr> <td><b>Pump</b> <input type="checkbox"/></td> <td>Not Installed</td> <td>Date Installed</td> </tr> <tr> <td colspan="3">Manufacturer's name</td> </tr> <tr> <td>Model Number</td> <td>HP 15</td> <td>Volt</td> </tr> <tr> <td>Length of drop pipe</td> <td>ft Capacity</td> <td>g.p. 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<b>Screen?</b> <input type="checkbox"/>	<b>Type</b>	<b>Make</b>																																																																																																																																																																																							
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**208815**

County Scott  
 Quad Bloomington  
 Quad ID 104D

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

Entry Date 02/11/1988  
 Update Date 06/02/2014  
 Received Date

<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>CONTINENTAL</td> <td>115</td> <td>21</td> <td>W 8</td> <td>ADDBDD</td> </tr> <tr> <td><b>Elevation</b></td> <td>715 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>C/W</td> <td colspan="4">7000 13 HY W SAVAGE MN</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>FILL-SAND &amp; GRAVEL</td> <td>0</td> <td>25</td> <td></td> <td></td> </tr> <tr> <td>CLAY</td> <td>25</td> <td>45</td> <td></td> <td></td> </tr> <tr> <td>SHAKOPEE LIME</td> <td>45</td> <td>95</td> <td></td> <td></td> </tr> <tr> <td>SANDROCK</td> <td>95</td> <td>101</td> <td></td> <td></td> </tr> <tr> <td>SHAKOPEE LIME</td> <td>101</td> <td>139</td> <td></td> <td></td> </tr> <tr> <td>JORDAN SANDROCK</td> <td>139</td> <td>149</td> <td></td> <td></td> </tr> </table>	<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Dir Section</b>	<b>Subsection</b>	CONTINENTAL	115	21	W 8	ADDBDD	<b>Elevation</b>	715 ft.	<b>Elev. Method</b>	7.5 minute topographic map (+/- 5 feet)		<b>Address</b>					C/W	7000 13 HY W SAVAGE MN				<b>Stratigraphy Information</b>					Geological Material	From	To (ft.)	Color	Hardness	FILL-SAND & GRAVEL	0	25			CLAY	25	45			SHAKOPEE LIME	45	95			SANDROCK	95	101			SHAKOPEE LIME	101	139			JORDAN SANDROCK	139	149			<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>149 ft.</td> <td>149 ft.</td> <td>11/03/1960</td> </tr> <tr> <td><b>Drill Method</b></td> <td colspan="2"><b>Drill Fluid</b></td> </tr> <tr> <td>Use commercial</td> <td><b>Status</b></td> <td>Active</td> </tr> <tr> <td><b>Well Hydrofractured?</b></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> </tr> <tr> <td><b>Casing Type</b></td> <td>Step down</td> <td>Joint</td> </tr> <tr> <td><b>Drive Shoe?</b></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> </tr> <tr> <td></td> <td><b>Above/Below</b></td> <td>1.5 ft.</td> </tr> <tr> <td><b>Casing Diameter</b></td> <td colspan="2"><b>Weight</b></td> </tr> <tr> <td>4.5 in. To 149 ft.</td> <td colspan="2">lbs./ft.</td> </tr> <tr> <td>8 in. To 95 ft.</td> <td colspan="2">lbs./ft.</td> </tr> <tr> <td><b>Open Hole</b></td> <td>From</td> <td>ft. To</td> </tr> <tr> <td><b>Screen?</b> <input type="checkbox"/></td> <td><b>Type</b></td> <td><b>Make</b></td> </tr> <tr> <td><b>Static Water Level</b></td> <td>0 ft.</td> <td>land surface Measure 11/03/1960</td> </tr> <tr> <td><b>Pumping Level (below land surface)</b></td> <td>5 ft.</td> <td>hrs. 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Typ</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>Prairie Du Chien Group Aquifer Jordan</td> </tr> <tr> <td>Last Strat</td> <td>Jordan Sandstone</td> <td>Depth to Bedrock 45 ft</td> </tr> <tr> <td colspan="3">Located by Minnesota Department of Health</td> </tr> <tr> <td>Locate Method</td> <td colspan="2">GPS SA Off (averaged) (15 meters)</td> </tr> <tr> <td>System</td> <td>UTM - NAD83, Zone 15, Meters</td> <td>X 471544 Y 4958888</td> </tr> <tr> <td>Unique Number Verification</td> <td colspan="2">Input Date 12/06/2001</td> </tr> <tr> <td><b>Angled Drill Hole</b></td> <td colspan="2"></td> </tr> <tr> <td><b>Well Contractor</b></td> <td>Bergerson-Caswell</td> <td>27058</td> </tr> <tr> <td>Licenses Business</td> <td>Lic. or Reg. No.</td> <td>Name of Driller</td> </tr> </table>	<b>Well Depth</b>	<b>Depth Completed</b>	<b>Date Well Completed</b>	149 ft.	149 ft.	11/03/1960	<b>Drill Method</b>	<b>Drill Fluid</b>		Use commercial	<b>Status</b>	Active	<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<b>Casing Type</b>	Step down	Joint	<b>Drive Shoe?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>		<b>Above/Below</b>	1.5 ft.	<b>Casing Diameter</b>	<b>Weight</b>		4.5 in. To 149 ft.	lbs./ft.		8 in. To 95 ft.	lbs./ft.		<b>Open Hole</b>	From	ft. To	<b>Screen?</b> <input type="checkbox"/>	<b>Type</b>	<b>Make</b>	<b>Static Water Level</b>	0 ft.	land surface Measure 11/03/1960	<b>Pumping Level (below land surface)</b>	5 ft.	hrs. Pumping at 60 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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified	<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 type="checkbox"/>	Not Installed	Date Installed	Manufacturer's name			Model Number	HP 0	Volt	Length of drop pipe	ft Capacity 32	g.p. 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**MINNESOTA DEPARTMENT OF HEALTH**  
**WELL AND BORING REPORT**  
*Minnesota Statutes Chapter 1031*

**Entry Date** 01/16/1992

**Update Date** 08/06/2018

**Received Date**

**County** Scott  
**Quad** Eden  
**Quad ID** 104C

**244434**

<b>Well Name</b> DNR OB 70003	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 12	<b>Subsection</b> ABADBB	
<b>Elevation</b> 724.67	<b>Elev. Method</b> LiDAR 1m DEM (MNDNR)				
<b>Well Depth</b> 22 ft.					
<b>Depth Completed</b> 20.6 ft.					
<b>Date Well Completed</b> 09/04/1973					
<b>Drill Method</b>					
<b>Drill Fluid</b>					
<b>Address</b>					
<b>Use</b> observation well <span style="float:right"><b>Status</b> Active</span>					
<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>					
<b>Casing Type</b> Single casing <span style="float:right"><b>Joint</b></span>					
<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b> 2.4 ft.					
<b>Stratigraphy Information</b>					
Geological Material From To (ft.) Color Hardness					
NO RECORD 0 22					
<b>Casing Diameter</b> 1.2 in. To 18.6 ft. <b>Weight</b> lbs./ft.					
<b>Open Hole</b> From _____ ft. To _____ ft.					
<b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> <b>Make</b>					
Diameter Slot/Gauze Length Set					
1.2 in. 2 ft. 18.6 ft. 20.6 ft.					
<b>Static Water Level</b>					
10 ft. land surface Measure 08/20/1974					
<b>Pumping Level (below land surface)</b>					
<b>Wellhead Completion</b>					
Pitless adapter manufacturer <span style="float:right">Model</span>					
<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 type="checkbox"/> Not Specified					
<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 <span style="float:right">Date Installed</span>					
Manufacturer's name					
Model Number <span style="float:right">HP</span> <span style="float:right">Volt</span>					
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 <span style="float:right">Aquifer</span> <span style="float:right">Quat. Water</span>					
Last Strat Quaternary deposit <span style="float:right">Depth to Bedrock</span> ft					
Located by Minnesota Geological Survey					
Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters)					
System UTM - NAD83, Zone 15, Meters X 467956 Y 4959585					
Unique Number Verification Site Plan <span style="float:right">Input Date</span> 04/03/2017					
<b>Angled Drill Hole</b>					
<b>Well Contractor</b>					
United States Geological <span style="float:right">USGS</span>					
Licensee Business <span style="float:right">Lic. or Reg. No.</span> <span style="float:right">Name of Driller</span>					

**Remarks**  
 NESTED WELL. DNR OBWELL 70003.

247250

County Scott  
 Quad Eden  
 Quad ID 104C

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

Entry Date 06/17/1992  
 Update Date 08/18/2014  
 Received Date

<b>Well Name</b> BLOOMINGTON	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 1	<b>Subsection</b> DCCDA	<b>Well Depth</b> 465 ft.	<b>Depth Completed</b> 465 ft.	<b>Date Well Completed</b>
<b>Elevation</b> 715 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>	Inactive
					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
					<b>Casing Type</b>	Single casing	<b>Joint</b>
					<b>Drive Shoe?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
					<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>
					6 in. To 283 ft.	lbs./ft.	6 in. To 464 ft.
					<b>Open Hole</b>	From 283 ft.	To 465 ft.
					<b>Screen?</b> <input type="checkbox"/>	<b>Type</b>	<b>Make</b>
					<b>Static Water Level</b>		
					0 ft.	land surface	Measure 06/08/1992
					<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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified
					<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 type="checkbox"/> Not Installed	Date Installed	
					Manufacturer's name		
					Model Number	HP <u>Q</u>	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	St.Lawrence Formation	Aquifer multiple
					Last Strat	Wonewoc Sandstone	Depth to Bedrock 275 ft
					Located by Minnesota Geological Survey		
					Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)		
					System	UTM - NAD83, Zone 15, Meters	X 467749 Y 4959737
					Unique Number Verification	Information from	Input Date 10/09/1995
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Minnesota Geological Survey	MGS	
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b> GAMMA LOGGED 6-8-92 BY GEOSPHERE.							

**530130**

County Scott  
 Quad Eden  
 Quad ID 104C

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

Entry Date 01/09/1994  
 Update Date 04/16/2014  
 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>	
US FISH &	115	22	W 3	ADCDA	200 ft.	200 ft.	07/19/1993	
<b>Elevation</b>	711 ft.	<b>Elev. Method</b>	Calc from DEM (USGS 7.5 min or equiv.)					
<b>Address</b>					<b>Use</b>	public supply/non-comm.-transient	<b>Status</b>	Active
Well 5981 101E HY SHAKOPEE MN					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From</b>	<b>To</b>
Contact 1 FEDERAL DR ST PAUL MN 55111-4056					<b>Casing Type</b>	Single casing	<b>Joint</b>	Welded
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b>	
Geological Material	From	To (ft.)	Color	Hardness	<b>Casing Diameter</b>	<b>Weight</b>	<b>Hole Diameter</b>	
SANDY DIRT	0	2	BLACK	MEDIUM	4 in. To	163 ft. 11 lbs./ft.	11 in. To	36 ft.
COARSE SAND &	2	21	BROWN	MEDIUM			8 in. To	162 ft.
SANDY CLAY	21	36	BLU/BRN	MEDIUM			4 in. To	200 ft.
LIMESTONE	36	133	BRN/RED	HARD				
SANDROCK	133	200	YEL/WHT	MEDIUM				
					<b>Open Hole</b>	From 163 ft.	To	200 ft.
					<b>Screen?</b>	<input type="checkbox"/>	<b>Type</b>	<b>Make</b>
					<b>Static Water Level</b>	15 ft.	land surface	Measure 07/19/1993
					<b>Pumping Level (below land surface)</b>			
					<b>Wellhead Completion</b>	Pitless adapter manufacturer	MONITOR	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	2.5 Cubic yards	8 ft.	162 ft.
					<b>Nearest Known Source of Contamination</b>	80 feet	South Direction	Tanks Type
					Well disinfected upon completion?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					<b>Pump</b>	<input type="checkbox"/> Not Installed	Date Installed	08/05/1993
					Manufacturer's name	FLINT & WALLING		
					Model Number	4F27A15	HP	1.5 Volt 220
					Length of drop pipe	42 ft	Capacity	27 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	Prairie Du Chien Group	Aquifer Jordan
					Last Strat	Jordan Sandstone	Depth to Bedrock	36 ft
					Located by	Minnesota Department of Health		
					Locate Method	Digitization (Screen) - Map (1:24,000) (15 meters or		
					System	UTM - NAD83, Zone 15, Meters	X 464992	Y 4960554
					Unique Number Verification	Information from	Input Date	04/17/2001
					<b>Angled Drill Hole</b>			
					<b>Well Contractor</b>	Hartmann Well Co.	40174	JAECKELS, R.
					Licensee Business	Lic. or Reg. No.	Name of Driller	



**640554**

County Scott  
 Quad Eden  
 Quad ID 104C

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

Entry Date 05/16/2000  
 Update Date 09/27/2005  
 Received Date

<b>Well Name</b> METROPOLITAN	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> CABBAD	<b>Well Depth</b> 33 ft.	<b>Depth Completed</b> 32 ft.	<b>Date Well Completed</b> 11/18/1999
<b>Elevation</b> 723 ft.	<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> elevator	<b>Status</b> Active	
C/W 6957 101 HY SHAKOPEE MN 55379					<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> Step down <b>Joint</b>		
<b>Geological Material</b> LIMESTONE	<b>From</b> 0	<b>To (ft.)</b> 33	<b>Color</b> BROWN	<b>Hardness</b> HARD	<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>		
					<b>Casing Diameter</b> <b>Weight</b>		
					20 in. To 32 ft. 78.6 lbs./ft.		
					24 in. To 4 ft. 63.4 lbs./ft.		
					<b>Open Hole</b> <b>From</b> <b>ft.</b> <b>To</b> <b>ft.</b>		
					<b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>		
					<b>Static Water Level</b>		
					<b>Pumping Level (below land surface)</b>		
					<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 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 29 Sacks 0 ft. 33 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 type="checkbox"/> No		
					<b>Pump</b> <input type="checkbox"/> Not Installed <b>Date Installed</b>		
					Manufacturer's name		
					Model Number <b>HP</b> <b>Volt</b>		
					Length of drop pipe <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 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>Prairie Du Chien Group</b> <b>Aquifer</b>		
					<b>Last Strat</b> <b>Prairie Du Chien Group</b> <b>Depth to Bedrock</b> 0 <b>ft</b>		
					Located by <b>Minnesota Geological Survey</b>		
					<b>Locate Method</b> <b>Digitization (Screen) - Map (1:24,000) (15 meters or</b>		
					<b>System</b> <b>UTM - NAD83, Zone 15, Meters</b> <b>X 465752</b> <b>Y 4960464</b>		
					<b>Unique Number Verification</b> <b>Information from</b> <b>Input Date</b> 07/26/2005		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Midwest Drilling <b>L0004</b> <b>STANGRET, S.</b>		
					Licensee Business <b>Lic. or Reg. No.</b> <b>Name of Driller</b>		

**Remarks**  
 PIT FLOOR 19' BELOW GRADE

**661420**County Scott  
Quad Eden  
Quad ID 104CMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 08/15/2002  
Update Date 03/03/2017  
Received Date

<b>Well Name</b> MET. COUNCIL	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> BDCDCB	<b>Well Depth</b> 120 ft.	<b>Depth Completed</b> 120 ft.	<b>Date Well Completed</b> 05/07/2002
<b>Elevation</b> 720 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Vibracore/rotasonic	<b>Drill Fluid</b> Water	
<b>Address</b>					<b>Use</b> piezometer	<b>Status</b> Sealed	
Well 6957 10 HY E SHAKOPEE MN					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>From</b> <b>To</b>		
Contact 3752 PLANT RD EAGAN MN 55122					<b>Casing Type</b> Single casing <b>Joint</b>		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input checked="" 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>	
SAND & FILL		0	15	BROWN	SOFT	6 in. To 18 ft. lbs./ft. 6 in. To 18 ft.	
FINE LIMESTONE		15	17	TAN	HARD	6 in. To 120 ft.	
LIMESTONE		17	120	TAN	HARD		
					<b>Open Hole</b> From 18 ft. To 120 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>		
					<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>		
					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 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 Pr.du Chien/Shakopee Fm Aquifer Prairie Du Chien		
					Last Strat Prairie Du Chien Group Depth to Bedrock 15 ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or		
					System UTM - NAD83, Zone 15, Meters X 465779 Y 4960549		
					Unique Number Verification Info/GPS from data Input Date 10/17/2002		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Traut M.J. Well Co. 71536 KARSCH, D.		
					Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b>							
SEALED 07-28-2009 BY 1347.							
<b>Minnesota Well Index Report</b>					<b>661420</b>		
					Printed on 04/05/2019 HE-01205-15		

**661421**County Scott  
Quad Eden  
Quad ID 104CMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 08/15/2002  
Update Date 03/03/2017  
Received Date

<b>Well Name</b> MET. COUNCIL	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> ACDCB	<b>Well Depth</b> 120 ft.	<b>Depth Completed</b> 120 ft.	<b>Date Well Completed</b> 05/00/2002
<b>Elevation</b> 712 ft.	<b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)				<b>Drill Method</b> Vibracore/rotasonic	<b>Drill Fluid</b> Water	
<b>Address</b>					<b>Use</b> piezometer	<b>Status</b>	Sealed
Well 6957 10 HY E SHAKOPEE MN					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Contact 3752 PLANT RD EAGAN MN 55122					<b>Casing Type</b> Single casing <b>Joint</b>		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input checked="" 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>
SAND & FILL	0	23	BROWN	SOFT	6 in. To 24 ft.	lbs./ft.	6 in. To 24 ft.
LIMESTONE	23	24	BROWN	HARD			6 in. To 120 ft.
NO RECORD OF DATA	24	120					
					<b>Open Hole</b>	<b>From</b> 24 ft.	<b>To</b> 120 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>		
					<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>		
					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 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	Pr.du Chien/Shakopee Fm	Aquifer Prairie Du Chien
					Last Strat	Prairie Du Chien Group	Depth to Bedrock 23 ft
					Located by Minnesota Geological Survey		
					Locate Method	Digitization (Screen) - Map (1:24,000) (15 meters or	
					System	UTM - NAD83, Zone 15, Meters	X 466139 Y 4960576
					Unique Number Verification	Info/GPS from data	Input Date 10/17/2002
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Traut M.J. Well Co.	71536	KARSCH, D.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b> SEALED 08-06-2009 BY 1347.							
<b>Minnesota Well Index Report</b>					<b>661421</b>		
					Printed on 04/05/2019 HE-01205-15		

**686299**County Scott  
Quad Eden  
Quad ID 104CMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 06/25/2009  
Update Date 12/05/2018  
Received Date

<b>Well Name</b> METROPOLITAN	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> DBBACD	<b>Well Depth</b> 0 ft.	<b>Depth Completed</b> 0 ft.	<b>Date Well Completed</b>
<b>Elevation</b> 715 ft.	<b>Elev. Method</b> Calc from DEM (USGS 7.5 min or equiv.)				<b>Drill Method</b>	<b>Drill Fluid</b>	
<b>Address</b>					<b>Use</b> unknown	<b>Status</b>	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
					<b>Casing Type</b>	<b>Joint</b>	
					<b>Drive Shoe?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
					<b>Above/Below</b>		
					<b>Open Hole</b>	From	ft.
					<b>Screen?</b>	<input type="checkbox"/>	<b>Type</b>
					<b>Static Water Level</b>	To	ft.
					<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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified
					<b>Nearest Known Source of Contamination</b>		
					0 feet	Direction	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 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 Minnesota Department of Health		
					Locate Method GPS SA Off (averaged) (15 meters)		
					System	UTM - NAD83, Zone 15, Meters	X 466198 Y 4960424
					Unique Number Verification	Info/GPS from data	Input Date 04/14/2009
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b> ACCORDING TO MDH THIS NOTIFICATION WAS LOST. UNIQUE NO. 767851 WAS DRILLED AT THIS LOCATION ACCORDING TO PETER ZIMMERMAN.							

**686300**County Scott  
Quad Eden  
Quad ID 104CMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 06/25/2009  
Update Date 12/05/2018  
Received Date 07/10/2009

<b>Well Name</b> DW-7	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> BCDDDC	<b>Well Depth</b> 104 ft.	<b>Depth Completed</b> 104 ft.	<b>Date Well Completed</b> 07/02/2009
<b>Elevation</b> 725 ft.	<b>Elev. Method</b> LiDAR 1m DEM (MNDNR)				<b>Drill Method</b> Cable Tool	<b>Drill Fluid</b> Water	
<b>Address</b> Well 6957 101 HY E SHAKOPEE MN 55379					<b>Use</b> dewatering	<b>Status</b> Active	
<b>Stratigraphy Information</b>					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>From</b> <b>To</b>	
Geological Material From To (ft.) Color Hardness					<b>Casing Type</b> Step down	<b>Joint</b>	
FILL 0 15 BROWN SOFT					<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Above/Below</b>	
LIMESTONE - BUFF 15 104 HARD					<b>Casing Diameter</b> 24 in. To 19 ft. 94.7 lbs./ft.	<b>Hole Diameter</b> 24 in. To 29 ft.	
					18 in. To 29 ft. 70.6 lbs./ft.	18 in. To 104 ft.	
					<b>Open Hole</b> From 29 ft. To 104 ft.		
					<b>Screen?</b> <input type="checkbox"/>	<b>Type</b> <b>Make</b>	
					<b>Static Water Level</b> 19 ft. land surface	Measure 06/11/2009	
					<b>Pumping Level (below land surface)</b> 69 ft. 48 hrs. Pumping at	1200 g.p.m.	
					<b>Wellhead Completion</b> Pitless adapter manufacturer	WELDED CAP 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> Material	Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	
					Amount	From To	
					neat cement 30 Sacks	ft. 29 ft.	
					<b>Nearest Known Source of Contamination</b>		
					1000 feet	East Direction	
					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 checked="" type="checkbox"/> No		
					<b>Miscellaneous</b>		
					First Bedrock	Prairie Du Chien Group	Aquifer Prairie Du Chien
					Last Strat	Prairie Du Chien Group	Depth to Bedrock 15 ft
					Located by Minnesota Department of Health		
					Locate Method GPS SA Off (averaged) (15 meters)		
					System	UTM - NAD83, Zone 15, Meters	X 465624 Y 4960517
					Unique Number Verification	Info/GPS from data	Input Date 05/28/2009
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Keys Well Drilling Co.	1347	GALVIN, M.
					Licensee Business	Lic. or Reg. No.	Name of Driller
<b>Remarks</b> M.G.S. NO. 5267.							
<b>Minnesota Well Index Report</b>					<b>686300</b>		
					Printed on 04/05/2019 HE-01205-15		

**767851**County Scott  
Quad Eden  
Quad ID 104CMINNESOTA DEPARTMENT OF HEALTH  
**WELL AND BORING REPORT**  
Minnesota Statutes Chapter 1031Entry Date 10/01/2009  
Update Date 12/05/2018  
Received Date 10/01/2009

<b>Well Name</b> DW-8	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> DBBACD	<b>Well Depth</b> 106 ft.	<b>Depth Completed</b> 106 ft.	<b>Date Well Completed</b> 08/00/2009
<b>Elevation</b> 725 ft.	<b>Elev. Method</b> LiDAR 1m DEM (MNDNR)				<b>Drill Method</b> Cable Tool	<b>Drill Fluid</b> Water	
<b>Address</b>					<b>Use</b> dewatering	<b>Status</b> Active	
Well 6957 101E HY SHAKOPEE MN 55379					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b>		
Contact 390 ROBERT ST N ST PAUL MN 55101					<b>Casing Type</b> Step down <b>Joint</b> Welded		
<b>Stratigraphy Information</b>					<b>Drive Shoe?</b> Yes <input checked="" 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>	
SAND & GRAVEL		0	12	BROWN	SOFT	18 in. To 29 ft.	70.6 lbs./ft. 24 in. To 29 ft.
LIMESTONE (BROKEN)		12	23	TAN	HARD	24 in. To 19 ft.	94.7 lbs./ft. 18 in. To 106 ft.
LIMESTONE		23	106	TAN	HARD		
					<b>Open Hole</b> From 29 ft. To 106 ft.		
					<b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>		
					<b>Static Water Level</b> 24 ft. land surface Measure 07/16/2009		
					<b>Pumping Level (below land surface)</b> 63 ft. 48 hrs. Pumping at 2000 g.p.m.		
					<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> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified Material Amount From To neat cement 28 Sacks ft. 29 ft.		
					<b>Nearest Known Source of Contamination</b> 500 feet North Direction Other 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 checked="" type="checkbox"/> No		
					<b>Miscellaneous</b> First Bedrock Prairie Du Chien Group Aquifer Prairie Du Chien Last Strat Prairie Du Chien Group Depth to Bedrock 12 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters) System UTM - NAD83, Zone 15, Meters X 466198 Y 4960424 Unique Number Verification Info/GPS from data Input Date 09/03/2009		
<b>Remarks</b> DW-8 SOURCE OF CONTAMINATION: CLARIFER. DRILLERS: MIKE GALVIN AND DAN SAMPSON. M.G.S. NO. 5268.					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> Keys Well Drilling Co. 1347 SEE REMARKS Licensee Business Lic. or Reg. No. Name of Driller		