

**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>Drill Fluid</b>	
<b>Address</b>					<b>Use</b> public supply/non-community	<b>Status</b> Inactive	
<b>Stratigraphy Information</b> Geological Material From To (ft.) Color Hardness DRIFT (SAND & BLUE 0 230 BLUE GRAVEL 230 230					<b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>From To</b>	
					<b>Casing Type</b> Joint		
					<b>Open Hole</b> From ft. To ft.		
					<b>Screen?</b> <input type="checkbox"/>	<b>Type 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>Remarks</b> FLOWING WELL AS OF 8-14-75					<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

**207070**

<b>Well Name</b> BLUE LAKE	<b>Township</b> 115	<b>Range</b> 22	<b>Dir Section</b> W 2	<b>Subsection</b> BDABBC	<b>Well Depth</b> 68 ft.	<b>Depth Completed</b> 68 ft.	<b>Date Well Completed</b> 02/15/1973
<b>Elevation</b> 705 ft. <b>Elev. Method</b> 7.5 minute topographic map (+/- 5 feet)					<b>Drill Method</b>		
<b>Address</b>					<b>Drill Fluid</b>		
C/W 6957 101 HY E SHAKOPEE MN 55379					<b>Use</b> industrial <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> Step down <b>Joint</b>		
CLAY 0 2					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b> 0 ft.		
CLAY 2 16					<b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>		
FRACTURED 16 20					12 in. To 34 ft. lbs./ft. 12 in. To 68 ft.		
LIMEROCK 20 68					20 in. To 20 ft. lbs./ft.		
					<b>Open Hole</b> From 34 ft. To 68 ft.		
					<b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>		
					<b>Static Water Level</b>		
					22 ft. land surface Measure 08/21/1978		
					<b>Pumping Level (below land surface)</b>		
					45 ft. hrs. Pumping at 298 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 15 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 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 Prairie Du Chien		
					Last Strat Prairie Du Chien Group Depth to Bedrock 16 ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)		
					System UTM - NAD83, Zone 15, Meters X 465854 Y 4960855		
					Unique Number Verification Input Date 01/01/1990		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b>		
					Thein Well Co. Clara City 12013		
					Licensee Business Lic. or Reg. No. Name of Driller		

**Remarks**

**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  
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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 colspan="2"><b>Status</b> Active</td> </tr> <tr> <td><b>Well Hydrofractured?</b></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/> <b>From</b> <b>To</b></td> </tr> <tr> <td><b>Casing Type</b></td> <td>Step down</td> <td><b>Joint</b></td> </tr> <tr> <td><b>Drive Shoe?</b></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/> <b>Above/Below</b> 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 ft.</td> </tr> <tr> <td><b>Screen?</b> <input type="checkbox"/></td> <td><b>Type</b></td> <td><b>Make</b></td> </tr> <tr> <td colspan="3"><b>Static Water Level</b></td> </tr> <tr> <td>0 ft.</td> <td>land surface</td> <td>Measure 11/03/1960</td> </tr> <tr> <td colspan="3"><b>Pumping Level (below land surface)</b></td> </tr> <tr> <td>5 ft.</td> <td>hrs. 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Typ</td> </tr> <tr> <td colspan="3"><b>Abandoned</b></td> </tr> <tr> <td colspan="3">Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3"><b>Variance</b></td> </tr> <tr> <td colspan="3">Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3"><b>Miscellaneous</b></td> </tr> <tr> <td>First Bedrock</td> <td>Prairie Du Chien Group</td> <td>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 colspan="3">Locate Method 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 colspan="2">Unique Number Verification</td> <td>Input Date 12/06/2001</td> </tr> <tr> <td colspan="3"><b>Angled Drill Hole</b></td> </tr> <tr> <td colspan="3"><b>Well Contractor</b></td> </tr> <tr> <td>Bergerson-Caswell</td> <td>27058</td> <td></td> </tr> <tr> <td>Licensee 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>From</b> <b>To</b>	<b>Casing Type</b>	Step down	<b>Joint</b>	<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 ft.	<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. 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244434

County Scott  
 Quad Eden  
 Quad ID 104C

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

Entry Date 01/16/1992  
 Update Date 08/06/2018  
 Received Date

<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>Well Depth</b> 22 ft.	<b>Depth Completed</b> 20.6 ft.	<b>Date Well Completed</b> 09/04/1973
<b>Elevation</b> 724.67	<b>Elev. Method</b> LiDAR 1m DEM (MNDNR)	<b>Drill Method</b>		<b>Drill Fluid</b>			
<b>Address</b>					<b>Use</b> observation 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					<b>Casing Type</b> Single casing <input type="checkbox"/> Joint <input type="checkbox"/>		
From To (ft.) Color Hardness					<b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below 2.4 ft.		
NO RECORD 0 22					<b>Casing Diameter</b> 1.2 in. To 18.6 ft. 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 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 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 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 Quaternary deposit Depth to Bedrock 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 Input Date 04/03/2017		
					<b>Angled Drill Hole</b>		
					<b>Well Contractor</b> United States Geological USGS Licensee Business Lic. or Reg. No. Name of Driller		
<b>Remarks</b> NESTED WELL. DNR OBWELL 70003.							
<b>Minnesota Well Index Report</b>					244434		
					Printed on 04/05/2019 HE-01205-15		

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>Stratigraphy Information</b>					<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Geological Material	From	To (ft.)	Color	Hardness	<b>Casing Type</b>	Single casing	<b>Joint</b>
GLACIAL DRIFT	0	275			<b>Drive Shoe?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
ST LAWRENCE	275	290			<b>Casing Diameter</b>	<b>Weight</b>	
FRANCONIA	290	425			6 in. To	283 ft.	lbs./ft.
IRONTON-GALESVILLE	425	465			<b>Hole Diameter</b>		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	g.p.
					Length of drop pipe	ft	Capacity
					<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	
					Lic. or Reg. No.	Name of Driller	
<b>Remarks</b> GAMMA LOGGED 6-8-92 BY GEOSPHERE.							
<b>Minnesota Well Index Report</b>					247250		
					Printed on 04/05/2019 HE-01205-15		

**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>	<b>From</b>	<b>To (ft.)</b>	<b>Color</b>	<b>Hardness</b>	<b>Drive Shoe?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>		
LIMESTONE	0	33	BROWN	HARD	<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>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> 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		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							
<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 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>		Prairie Du Chien Group		<b>Aquifer</b>			
<b>Last Strat</b>		Prairie Du Chien Group		<b>Depth to Bedrock</b>		0 ft	
Located by Minnesota Geological Survey							
<b>Locate Method</b>		Digitization (Screen) - Map (1:24,000) (15 meters or					
<b>System</b>		UTM - NAD83, Zone 15, Meters		X 465752		Y 4960464	
<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		L0004		STANGRET, S.			
Licensee Business		Lic. or Reg. No.		Name of Driller			

**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.							

**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 104C

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

Entry Date 06/25/2009  
 Update Date 12/05/2018  
 Received Date

<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"><b>Well Name</b></td> <td style="width:15%;">METROPOLITAN 115</td> <td style="width:10%;"><b>Township</b></td> <td style="width:10%;">22</td> <td style="width:10%;"><b>Range</b></td> <td style="width:10%;">W 2</td> <td style="width:10%;"><b>Dir Section</b></td> <td style="width:10%;">DBBACD</td> <td style="width:10%;"><b>Subsection</b></td> <td></td> </tr> <tr> <td><b>Elevation</b></td> <td>715 ft.</td> <td><b>Elev. Method</b></td> <td colspan="7">Calc from DEM (USGS 7.5 min or equiv.)</td> </tr> <tr> <td colspan="10"><b>Address</b></td> </tr> <tr> <td colspan="10"><b>Stratigraphy Information</b></td> </tr> </table>	<b>Well Name</b>	METROPOLITAN 115	<b>Township</b>	22	<b>Range</b>	W 2	<b>Dir Section</b>	DBBACD	<b>Subsection</b>		<b>Elevation</b>	715 ft.	<b>Elev. Method</b>	Calc from DEM (USGS 7.5 min or equiv.)							<b>Address</b>										<b>Stratigraphy Information</b>										<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;"><b>Well Depth</b></td> <td style="width:25%;">0 ft.</td> <td style="width:25%;"><b>Depth Completed</b></td> <td style="width:25%;">0 ft.</td> <td style="width:20%;"><b>Date Well Completed</b></td> <td></td> </tr> <tr> <td><b>Drill Method</b></td> <td colspan="4"><b>Drill Fluid</b></td> </tr> <tr> <td><b>Use</b></td> <td>unknown</td> <td colspan="3"></td> <td><b>Status</b></td> </tr> <tr> <td><b>Well Hydrofractured?</b></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> <td><b>From</b></td> <td><b>To</b></td> <td></td> </tr> <tr> <td><b>Casing Type</b></td> <td colspan="5">Joint</td> </tr> <tr> <td><b>Drive Shoe?</b></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> <td colspan="3"><b>Above/Below</b></td> </tr> <tr> <td colspan="6"><b>Open Hole</b></td> </tr> <tr> <td></td> <td>From</td> <td>ft.</td> <td>To</td> <td>ft.</td> <td></td> </tr> <tr> <td><b>Screen?</b></td> <td><input type="checkbox"/></td> <td><b>Type</b></td> <td colspan="3"><b>Make</b></td> </tr> <tr> <td colspan="6"><b>Static Water Level</b></td> </tr> <tr> <td colspan="6"><b>Pumping Level (below land surface)</b></td> </tr> <tr> <td colspan="6"><b>Wellhead Completion</b></td> </tr> <tr> <td colspan="2">Pitless adapter manufacturer</td> <td colspan="4">Model</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Casing Protection</td> <td><input type="checkbox"/></td> <td colspan="3">12 in. above grade</td> </tr> <tr> <td><input type="checkbox"/></td> <td colspan="5">At-grade (Environmental Wells and Borings ONLY)</td> </tr> <tr> <td><b>Grouting Information</b></td> <td>Well Grouted?</td> <td><input type="checkbox"/></td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> <td><input checked="" type="checkbox"/> Not Specified</td> </tr> <tr> <td colspan="6"><b>Nearest Known Source of Contamination</b></td> </tr> <tr> <td><math>\bar{Q}</math></td> <td>feet</td> <td>Direction</td> <td colspan="3">Type</td> </tr> <tr> <td colspan="6">Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td><b>Pump</b></td> <td><input type="checkbox"/></td> <td>Not Installed</td> <td colspan="3">Date Installed</td> </tr> <tr> <td colspan="6">Manufacturer's name</td> </tr> <tr> <td colspan="2">Model Number</td> <td>HP</td> <td colspan="3">Volt</td> </tr> <tr> <td colspan="2">Length of drop pipe</td> <td>ft</td> <td>Capacity</td> <td>g.p.</td> <td>Typ</td> </tr> <tr> <td colspan="6"><b>Abandoned</b></td> </tr> <tr> <td colspan="6">Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="6"><b>Variance</b></td> </tr> <tr> <td colspan="6">Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="6"><b>Miscellaneous</b></td> </tr> <tr> <td colspan="2">First Bedrock</td> <td colspan="4">Aquifer</td> </tr> <tr> <td colspan="2">Last Strat</td> <td colspan="2">Depth to Bedrock</td> <td colspan="2">ft</td> </tr> <tr> <td colspan="6">Located by Minnesota Department of Health</td> </tr> <tr> <td colspan="6">Locate Method GPS SA Off (averaged) (15 meters)</td> </tr> <tr> <td colspan="2">System</td> <td colspan="2">UTM - NAD83, Zone 15, Meters</td> <td>X 466198</td> <td>Y 4960424</td> </tr> <tr> <td colspan="2">Unique Number Verification</td> <td colspan="2">Info/GPS from data</td> <td>Input Date</td> <td>04/14/2009</td> </tr> <tr> <td colspan="6"><b>Angled Drill Hole</b></td> </tr> <tr> <td colspan="6"><b>Well Contractor</b></td> </tr> <tr> <td colspan="2">Licensee Business</td> <td colspan="2">Lic. or Reg. No.</td> <td colspan="2">Name of Driller</td> </tr> </table>	<b>Well Depth</b>	0 ft.	<b>Depth Completed</b>	0 ft.	<b>Date Well Completed</b>		<b>Drill Method</b>	<b>Drill Fluid</b>				<b>Use</b>	unknown				<b>Status</b>	<b>Well Hydrofractured?</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<b>From</b>	<b>To</b>		<b>Casing Type</b>	Joint					<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>						<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 type="checkbox"/>	<input checked="" type="checkbox"/> Not Specified	<b>Nearest Known Source of Contamination</b>						$\bar{Q}$	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.	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**Remarks**  
 ACCORDDING 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	
					neat cement	Amount 30 Sacks	From To 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		
<b>Minnesota Well Index Report</b>					<b>767851</b>		Printed on 04/05/2019 HE-01205-15