

782948

County Carlton
Quad
Quad ID

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

Entry Date 06/20/2013
Update Date 07/16/2014
Received Date 12/05/2012

Well Name JOHNSON,	Township 46	Range 19	Dir Section W 13	Subsection BCB	Well Depth 112 ft.	Depth Completed 112 ft.	Date Well Completed 12/03/2012																																							
Elevation	Elev. Method				Drill Method Non-specified Rotary	Drill Fluid Bentonite																																								
Address					Use domestic	Status Active																																								
Well 4189 LAKE RD MOOSE LAKE MN 55767					Well Hydrofractured? Yes ☐ No ☒ From To																																									
Contact 1044 ROSE CT WOODSTOCK IL 60098					Casing Type Single casing Joint																																									
Stratigraphy Information					Drive Shoe? Yes ☐ No ☒ Above/Below																																									
<table><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>7</td><td>RED</td><td>M.SOFT</td></tr><tr><td>MF SAND</td><td>7</td><td>9</td><td>BROWN</td><td>V.SOFT</td></tr><tr><td>CLAY</td><td>9</td><td>13</td><td>RED</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>13</td><td>70</td><td>BROWN</td><td>HARD</td></tr><tr><td>FINE SAND</td><td>70</td><td>112</td><td>GRY/BRN</td><td>MEDIUM</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	7	RED	M.SOFT	MF SAND	7	9	BROWN	V.SOFT	CLAY	9	13	RED	MEDIUM	CLAY	13	70	BROWN	HARD	FINE SAND	70	112	GRY/BRN	MEDIUM	<table><tr><td>Casing Diameter</td><td>Weight</td><td>Hole Diameter</td></tr><tr><td>4 in. To 102 ft. 11 lbs./ft.</td><td></td><td>8.7 in. To 50 ft.</td></tr><tr><td></td><td></td><td>6.7 in. To 112 ft.</td></tr></table>			Casing Diameter	Weight	Hole Diameter	4 in. To 102 ft. 11 lbs./ft.		8.7 in. To 50 ft.			6.7 in. To 112 ft.
Geological Material	From	To (ft.)	Color	Hardness																																										
CLAY	0	7	RED	M.SOFT																																										
MF SAND	7	9	BROWN	V.SOFT																																										
CLAY	9	13	RED	MEDIUM																																										
CLAY	13	70	BROWN	HARD																																										
FINE SAND	70	112	GRY/BRN	MEDIUM																																										
Casing Diameter	Weight	Hole Diameter																																												
4 in. To 102 ft. 11 lbs./ft.		8.7 in. To 50 ft.																																												
		6.7 in. To 112 ft.																																												
Open Hole					From	ft.	To	ft.																																						
Screen? ☒					Type stainless	Make JOHNSON																																								
Diameter					Slot/Gauze	Length	Set																																							
2 in.					7	10 ft.	102 ft.	112 ft.																																						
Static Water Level																																														
92 ft.					null	Measure	12/03/2012																																							
Pumping Level (below land surface)																																														
100 ft.					1 hrs.	Pumping at	11	g.p.m.																																						
Wellhead Completion																																														
Pitless adapter manufacturer					MONITOR	Model	SN																																							
☐ Casing Protection					☒ 12 in. above grade																																									
☐ At-grade (Environmental Wells and Borings ONLY)																																														
Grouting Information					Well Grouted?	☒ Yes	☐ No	☐ Not Specified																																						
Material					Amount	From	To																																							
bentonite					3 Sacks		ft. 50	ft.																																						
Nearest Known Source of Contamination																																														
25 feet					North	Direction	Sewer Type																																							
Well disinfected upon completion?					☒ Yes	☐ No																																								
Pump ☐ Not Installed					Date Installed	12/04/2012																																								
Manufacturer's name					GOULDS																																									
Model Number					10GS07412	HP	0.75	Volt 230																																						
Length of drop pipe					100 ft	Capacity	10 g.p.	Typ Submersible																																						
Abandoned																																														
Does property have any not in use and not sealed well(s)?					☐ Yes	☒ No																																								
Variance																																														
Was a variance granted from the MDH for this well?					☐ Yes	☒ No																																								
Miscellaneous																																														
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																																									
Angled Drill Hole																																														
Well Contractor																																														
Rosga Well Drilling, Inc.					1708	ROSGA, T.																																								
Licensee Business					Lic. or Reg. No.	Name of Driller																																								
Remarks																																														