

515084

County Carlton
Quad Iverson
Quad ID 225A

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

Entry Date 03/12/1993
Update Date 02/14/2014
Received Date

Well Name ZACHER, MARK	Township 49	Range 17	Dir W	Section 20	Subsection CABCCB	Well Depth 40 ft.	Depth Completed 40 ft.	Date Well Completed 09/09/1992																				
Elevation 1274	Elev. Method 7.5 minute topographic map (+/- 5 feet)	Drill Method Non-specified Rotary				Drill Fluid Other																						
Address Well 1774 BIG LAKE RD CLOQUET MN 55720 Contact 213 FEDERAL BLDG. BEMIDJI MN 566010360						Use domestic		Status Active																				
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SAND & GRAVEL</td><td>0</td><td>24</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SANDY CLAY</td><td>24</td><td>26</td><td>BROWN</td><td>SOFT</td></tr><tr><td>FINE SAND</td><td>26</td><td>40</td><td>BROWN</td><td>SOFT</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	SAND & GRAVEL	0	24	BROWN	SOFT	SANDY CLAY	24	26	BROWN	SOFT	FINE SAND	26	40	BROWN	SOFT	Well Hydrofractured? Yes ☐ No ☐ From To		
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SAND & GRAVEL	0	24	BROWN	SOFT																								
SANDY CLAY	24	26	BROWN	SOFT																								
FINE SAND	26	40	BROWN	SOFT																								
						Casing Type Single casing Joint Glued																						
						Drive Shoe? Yes ☐ No ☐ Above/Below																						
						Casing Diameter Weight Hole Diameter 6 in. To 35 ft. lbs./ft. 12 in. To 40 ft.																						
						Open Hole From ft. To ft.																						
						Screen? ☒ Type other Make JOHNSON Diameter Slot/Gauze Length Set 4 in. 12 5 ft. 35 ft. 40 ft.																						
						Static Water Level 11 ft. land surface Measure 09/15/1992																						
						Pumping Level (below land surface) 40 ft. 2 hrs. Pumping at 25 g.p.m.																						
						Wellhead Completion Pitless adapter manufacturer MAASS Model 6J-1 ☐ 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 7 ft. 30 ft.																						
						Nearest Known Source of Contamination feet Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No																						
						Pump ☐ Not Installed Date Installed Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity g.p. Typ																						
						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 Quat. Water Last Strat sand-brown Depth to Bedrock ft Located by Carlton Cty. Soil & Water Cons. Dist. Locate Method GPS Differentially Corrected (25 meters) System UTM - NAD83, Zone 15, Meters X 536093 Y 5173368 Unique Number Verification Input Date 08/01/2000																						
						Angled Drill Hole																						
						Well Contractor Traut M.J. Well Co. 71536 GORDY/KURT Licensee Business Lic. or Reg. No. Name of Driller																						