

184428

County Cass
Quad
Quad ID

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

Entry Date 04/07/1988
Update Date 10/16/2025
Received Date 12/06/1982

Well Name LEECH LAKE	Township null	Range null	Dir nul	Section null	Subsection null	Well Depth 156 ft.	Depth Completed 156 ft.	Date Well Completed 03/24/1982																													
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid																														
Address						Use domestic	Status Active																														
C/W PORTAGE LAKE LM MN						Well Hydrofractured? Yes ☐ No ☐	From	To																													
Stratigraphy Information						Casing Type	Joint																														
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOP SOIL</td><td>0</td><td>1</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SILTY SAND</td><td>1</td><td>50</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>50</td><td>95</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SANDY CLAY</td><td>95</td><td>147</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND</td><td>147</td><td>156</td><td>GRAY</td><td>SOFT</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	1	BROWN	SOFT	SILTY SAND	1	50	BROWN	SOFT	CLAY	50	95	GRAY	SOFT	SANDY CLAY	95	147	GRAY	SOFT	SAND	147	156	GRAY	SOFT	Drive Shoe? Yes ☐ No ☒	Above/Below 1.5 ft.
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SAND	147	156	GRAY	SOFT																																	
						Casing Diameter 6 in.	Weight 148 lbs./ft.																														
						Open Hole From ft. To ft.																															
						Screen? ☒ Type stainless Make JOHNSON																															
						Diameter 4 in. Slot/Gauze 12 Length 8 ft. Set 148 ft. 156 ft.																															
						Static Water Level 22 ft. land surface Measure 03/24/1982																															
						Pumping Level (below land surface) 35.1 ft. 1 hrs. Pumping at 12 g.p.m.																															
						Wellhead Completion Pitless adapter manufacturer Model ☐ Casing Protection ☐ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																															
						Grouting Information Well Grouted? ☒ Yes ☐ No ☐ Not Specified																															
						Material Amount From 8 ft. To 25 ft.																															
						Nearest Known Source of Contamination feet Direction Type																															
						Well disinfected upon completion? ☒ Yes ☐ No																															
						Pump ☐ Not Installed Date Installed 03/24/1982																															
						Manufacturer's name GOULD																															
						Model Number 7EH HP 0.33 Volt 230																															
						Length of drop pipe 42 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 North Star Drilling 48038 BLISS, L. Licensee Business Lic. or Reg. No. Name of Driller																															