

694888

County Otter Tail
Quad Lake
Quad ID 238B

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

Entry Date
Update Date 08/01/2019
Received Date 10/20/2003

Well Name HERMANSON,	Township 137	Range 42	Dir Section W 2	Subsection BACDDC	Well Depth 150 ft.	Depth Completed 150 ft.	Date Well Completed 08/26/2003
Elevation 1342	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Bentonite
Address Well 22490 SENNS BEACH DR DETROIT LAKES MN 56501					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness SAND 0 38 BROWN HARD CLAY 38 90 GRAY HARD SANDY CLAY 90 140 GRAY SOFT SAND COARSE 140 150 GRAY SOFT					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Single casing ☐ Joint ☐		
					Drive Shoe? Yes ☐ No ☐ Above/Below		
					Casing Diameter Weight Hole Diameter 4 in. To 146 ft. 1 lbs./ft. 8.2 in. To 20 ft. 7 in. To 150 ft.		
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 4 in. 18 4 ft. 146 ft. 150 ft.		
					Static Water Level 30 ft. land surface Measure 08/26/2003		
					Pumping Level (below land surface) 145 ft. 1 hrs. Pumping at 30 g.p.m.		
					Wellhead Completion Pitless adapter manufacturer MONITOR Model SNAPPY ☐ 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 high solids bentonite 4 Sacks ft. 30 ft.		
Remarks					Nearest Known Source of Contamination 20 feet <u>Northeas</u> Direction <u>Sewer</u> Type Well disinfected upon completion? ☒ Yes ☐ No		
					Pump ☐ Not Installed Date Installed <u>08/28/2003</u> Manufacturer's name STA-RITE Model Number <u>10P4C01J</u> HP <u>0.5</u> Volt <u>230</u> Length of drop pipe <u>80</u> ft Capacity <u>10</u> g.p. Typ <u>Submersible</u>		
					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. buried Last Strat sand-gray 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 274098 Y 5177551 Unique Number Verification Site Plan Input Date 12/15/2017		
					Angled Drill Hole		
					Well Contractor Pelican Well Drilling 56736 ERICKSON, R. Licensee Business Lic. or Reg. No. Name of Driller		