

429635

County Red Lake
Quad Dorothy
Quad ID 365B

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

Entry Date 04/11/1991
Update Date 07/30/2021
Received Date 03/05/1990

Well Name WAVRA,	Township 151	Range 45	Dir Section W 9	Subsection BBCCDC	Well Depth 204 ft.	Depth Completed 204 ft.	Date Well Completed 07/10/1988
Elevation 986 ft.	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Bentonite
Address C/W RR00 RED LAKE FALLS MN 56750					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness TOP SOIL 0 2 BLACK SOFT CLAY 2 23 YELLOW SOFT CLAY 23 105 BLUE MEDIUM CLAY 105 200 BLUE HARD SAND 200 204					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Single casing ☐ Joint ☐		
					Drive Shoe? Yes ☒ No ☐ Above/Below 2 ft.		
					Casing Diameter 4 in. To 200 ft. Weight 1.9 lbs./ft. Hole Diameter 8 in. To 200 ft.		
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 4 in. 12 4 ft. 200 ft. 204 ft.		
					Static Water Level 40 ft. land surface Measure 07/10/1988		
					Pumping Level (below land surface) 100 ft. 2 hrs. Pumping at 25 g.p.m.		
					Wellhead Completion Pitless adapter manufacturer MERRILL Model SP4-7 ☐ 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 neat cement 0.3 Cubic yards 0 ft. 30 ft. bentonite 1.2 Cubic yards 30 ft. 180 ft.		
Remarks					Nearest Known Source of Contamination <u>100</u> feet <u>West</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No		
					Pump ☐ Not Installed Date Installed <u>07/15/1988</u> Manufacturer's name AERMOTOR Model Number <u>SD1250</u> HP <u>0.5</u> Volt <u>230</u> Length of drop pipe <u>100</u> ft Capacity <u>12</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 Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 243137 Y 5312794 Unique Number Verification Site Plan Input Date 05/20/2021		
					Angled Drill Hole		
					Well Contractor Saga Well Co. 60347 SAGA, L. Licensee Business Lic. or Reg. No. Name of Driller		