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County Aitkin
Quad Malmo
Quad ID 209D

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

Entry Date 03/12/1992
Update Date 05/11/2017
Received Date 11/22/1991

Well Name ANGELL,	Township 44	Range 25	Dir Section W 32	Subsection BBBBCD	Well Depth 59 ft.	Depth Completed 59 ft.	Date Well Completed 09/25/1991
Elevation 1257	Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Non-specified Rotary				Drill Fluid Bentonite	
Address Contact 1260 BIRCH POINT #5 EAGAN MN 55123					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness CLAY 0 14 BROWN MEDIUM CLAY & ROCKS 14 53 GRAY HARD SAND 53 59 GRAY SOFT					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Single casing Joint		
					Drive Shoe? Yes ☐ No ☒ Above/Below 1 ft.		
					Casing Diameter Weight 4 in. To 55 ft. lbs./ft.		
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 2 in. 12 4 ft. 55 ft. 59 ft.		
					Static Water Level 7 ft. land surface Measure 09/25/1991		
					Pumping Level (below land surface) 13 ft. 1 hrs. Pumping at 15 g.p.m.		
					Wellhead Completion Pitless adapter manufacturer MAASS Model J ☐ 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 10 ft. 40 ft.		
Nearest Known Source of Contamination 50 feet Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No							
Pump ☐ Not Installed Date Installed <u>09/30/1991</u> Manufacturer's name AERMOTOR Model Number <u>SD12-50</u> HP <u>0.5</u> Volt <u>230</u> Length of drop pipe <u>20</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 GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 458826 Y 5123179 Unique Number Verification Site Plan Input Date 03/29/2002							
Angled Drill Hole							
Well Contractor A & M Drilling 48589 ROBB, D. Licensee Business Lic. or Reg. No. Name of Driller							