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County Olmsted
Quad Oronoco
Quad ID 50A

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

Entry Date 07/15/2013
Update Date 01/09/2017
Received Date 01/07/2013

Well Name SIEMS, DENNIS	Township 108	Range 14	Dir Section W 5	Subsection BDDBBC	Well Depth 320 ft.	Depth Completed 320 ft.	Date Well Completed 04/12/2012
Elevation 1063	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Foam
Address C/W 4459 130TH ST NW MAZEPPA MN 55956					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness DRIFT 0 150 LIMESTONE 150 220 SANDSTONE 220 320					Well Hydrofractured? Yes ☐ No ☒ From To		
					Casing Type Step down Joint Welded		
					Drive Shoe? Yes ☒ No ☐ Above/Below		
					Casing Diameter Weight Hole Diameter		
					4 in. To 280 ft. lbs./ft. 12 in. To 152 ft.		
					8 in. To 152 ft. lbs./ft. 8 in. To 280 ft.		
					4 in. To 320 ft.		
					Open Hole From 280 ft. To 320 ft.		
					Screen? ☐ Type Make		
					Pumping Level (below land surface) 125 ft. 2 hrs. Pumping at 15 g.p.m.		
					Wellhead Completion Pitless adapter manufacturer BAKER Model 4"X5' ☐ 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 pearock 2 Cubic yards 152 ft. 220 ft. neat cement 0.5 Cubic yards ft. 152 ft. neat cement 3.5 Cubic yards ft. 280 ft.		
					Nearest Known Source of Contamination 50 feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No		
					Pump ☐ Not Installed Date Installed 01/13/2012 Manufacturer's name GRUNDFOS Model Number 10SQE07- HP 0.75 Volt 230 Length of drop pipe 147 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 Prairie Du Chien/Oneota Aquifer Jordan Last Strat Jordan Sandstone Depth to Bedrock 150 ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 537517 Y 4892913 Unique Number Verification Tax Records Input Date 11/05/2015		
Remarks					Angled Drill Hole		
					Well Contractor Thein Well Rochester, Inc. 2641 KRAUSE, M. Licensee Business Lic. or Reg. No. Name of Driller		