

796962

County Todd
Quad Sauk Lake
Quad ID 178C

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

Entry Date11/22/2016

Update Date02/16/2018

Received Date

Well NameSCHIRMERS, Elevation1256.6 Township127 Range34 DirW Section27 SubsectionDDCADC	Well Depth140 ft. Drill MethodNon-specified Rotary Use domestic Well Hydrofractured? Yes No Casing Type Drive Shoe? Yes No Casing Diameter4 in. Weight128 ft. Hole Diameter6.7 in. 138 ft.	Depth Completed138 ft. Drill FluidBentonite StatusActive FromTo JointAbove/Below Open Hole Fromft. Toft. Screen? Typeplastic MakeBIG FOOT Diameter4 in. Slot/Gauze15 Length10 ft. Set128 ft. 138 ft.																																																							
Address WellMN	Static Water Level 18 ft. land surface Measure 10/06/2016	Pumping Level (below land surface) 100 ft. 2 hrs. Pumping at 10 g.p.m.																																																							
Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>SANDY CLAY</td><td>0</td><td>15</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND & GRAVEL</td><td>15</td><td>32</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>32</td><td>50</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY & SAND</td><td>50</td><td>57</td><td>GRY/OLV</td><td>SOFT</td></tr><tr><td>CLAY & SAND</td><td>57</td><td>75</td><td>LT. BRN</td><td>SOFT</td></tr><tr><td>CLAY & SAND</td><td>75</td><td>83</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY</td><td>83</td><td>100</td><td>DK. GRY</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>100</td><td>117</td><td>LT. GRY</td><td>SOFT</td></tr><tr><td>GRAVEL & CLAY</td><td>117</td><td>128</td><td>GRY/BLK</td><td>SOFT</td></tr><tr><td>GRAVEL-JAGGED</td><td>128</td><td>140</td><td>WHT/PNK</td><td>MEDIUM</td></tr></tbody></table>	Geological Material	From	To (ft.)	Color	Hardness	SANDY CLAY	0	15	BROWN	SOFT	SAND & GRAVEL	15	32	BROWN	SOFT	CLAY	32	50	GRAY	MEDIUM	CLAY & SAND	50	57	GRY/OLV	SOFT	CLAY & SAND	57	75	LT. BRN	SOFT	CLAY & SAND	75	83	GRAY	SOFT	CLAY	83	100	DK. GRY	MEDIUM	CLAY	100	117	LT. GRY	SOFT	GRAVEL & CLAY	117	128	GRY/BLK	SOFT	GRAVEL-JAGGED	128	140	WHT/PNK	MEDIUM	Wellhead Completion Pitless adapter manufacturerBAKER ModelSNAPPY Casing Protection At-grade (Environmental Wells and Borings ONLY) 12 in. above grade	Grouting Information Well Grouted? Yes No Not Specified Materialcuttings Amount0.25 Cubic yards From70 ft. To128 ft. bentonite 5 Sacks ft.70 ft.
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Remarks	Nearest Known Source of Contamination 150 feet North Direction Septic tank/drain field Type Well disinfected upon completion? Yes No	Pump Not Installed Date Installed10/06/2016 Manufacturer's nameFLOWISE Model Number HP0.75 Volt230 Length of drop pipe125 ft Capacity10 g.p. TypSubmersible	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 byMinnesota Department of Health Locate MethodGPS SA Off (averaged) (15 meters) SystemUTM - NAD83, Zone 15, Meters X349460 Y5070890 Unique Number Verification Info/GPS from data Input Date10/04/2016	Angled Drill Hole																																																						
	Well Contractor Ingeside Engineering and 2106 VANBEUSEKOM,T Licensee Business Lic. or Reg. No. Name of Driller																																																								