

647003

County

Mille Lacs

Quad

Princeton

Quad ID

154A

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

12/29/2000

Update Date

12/07/2018

Received Date

Well Name DUANE Township 38 Range 26 Dir Section W 36 Subsection BAACBC Elevation 1031 Elev. Method LiDAR 1m DEM (MNDNR) Address Contact25123 139 CR ST CLOUD MN 56301 Well5637 140TH ST MILACA MN 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>CLAY AND ROCKS</td><td>0</td><td>61</td><td>BROWN</td><td></td></tr><tr><td>SAND</td><td>61</td><td>63</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>63</td><td>110</td><td>GRAY</td><td></td></tr><tr><td>FINE SAND</td><td>110</td><td>115</td><td>BROWN</td><td></td></tr><tr><td>SAND</td><td>115</td><td>122</td><td>BROWN</td><td></td></tr><tr><td>GRNITE</td><td>122</td><td>123</td><td>WHITE</td><td></td></tr></tbody></table>	Geological Material	From	To (ft.)	Color	Hardness	CLAY AND ROCKS	0	61	BROWN		SAND	61	63	BROWN		CLAY	63	110	GRAY		FINE SAND	110	115	BROWN		SAND	115	122	BROWN		GRNITE	122	123	WHITE		Well Depth 123 ft. Depth Completed 122 ft. Date Well Completed 07/10/2000 Drill Method Non-specified Rotary Drill Fluid Bentonite Use domestic Status Active 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 118 ft. lbs./ft. 8 in. To 122 ft. Open Hole From ft. To ft. Screen?☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 4 in. 15 4 ft. 118 ft. 122 ft. Static Water Level 29 ft. land surface Measure 07/10/2000 Pumping Level (below land surface) 122 ft. 1 hrs. Pumping at 45 g.p.m. Wellhead Completion Pitless adapter manufacturer MAAS Model 4J1 ☐ 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 6 Sacks 0 ft. 40 ft. cuttings 40 ft. 108 ft. Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No Pump☐ Not Installed Date Installed 08/17/2000 Manufacturer's name GRIZZLY Model Number 12G9 HP 0.5 Volt 230 Length of drop pipe 80 ft Capacity 12 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 Aquifer Last Strat 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 459031 Y 5066129 Unique Number Verification Address verification Input Date 12/07/2018 Angled Drill Hole Well Contractor Traut M.J. Well Co. 71536 PERRY & KRIS Licensee Business Lic. or Reg. No. Name of Driller
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