

676432

County Anoka
Quad Circle Pines
Quad ID 119B

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

Entry Date 02/13/2003
Update Date 10/16/2006
Received Date

Well Name SHANOR,	Township 32	Range 23	Dir Section W 29	Subsection DBCACD	Well Depth 194 ft.	Depth Completed 194 ft.	Date Well Completed 11/28/2002																																			
Elevation 885 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary	Drill Fluid Bentonite																																			
Address C/W 1451 143RD LA NE HAM LAKE MN 55304					Use domestic	Status Active																																				
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SANDY CLAY</td><td>0</td><td>26</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>26</td><td>43</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SANDY CLAY</td><td>43</td><td>78</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY & GRAVEL</td><td>78</td><td>102</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY & GRAVEL</td><td>102</td><td>117</td><td>RED</td><td>HARD</td></tr><tr><td>SAND & GRAVEL</td><td>117</td><td>194</td><td>BROWN</td><td>MEDIUM</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	SANDY CLAY	0	26	BROWN	MEDIUM	SAND	26	43	GRAY	SOFT	SANDY CLAY	43	78	BROWN	SOFT	CLAY & GRAVEL	78	102	GRAY	MEDIUM	CLAY & GRAVEL	102	117	RED	HARD	SAND & GRAVEL	117	194	BROWN	MEDIUM	Well Hydrofractured? Yes ☐ No ☒ From To		
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					SAND & GRAVEL	117	194	BROWN	MEDIUM																																	
					Casing Type Single casing Joint																																					
					Drive Shoe? Yes ☒ No ☐ Above/Below																																					
Casing Diameter 4 in. To 189 ft. 10.79 lbs./ft.																																										
Weight																																										
Hole Diameter 9 in. To 30 ft. 7 in. To 194 ft.																																										
Open Hole From ft. To ft.																																										
Screen? ☒ Type stainless Make JOHNSON																																										
Diameter Slot/Gauze Length Set																																										
3 in. 10 4 ft. 188 ft. 194 ft.																																										
Static Water Level 10 ft. land surface Measure 11/26/2002																																										
Pumping Level (below land surface) ft. hrs. Pumping at 25 g.p.m.																																										
Wellhead Completion Pitless adapter manufacturer BAKER Model SNAPPY ☐ 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 4 Sacks 0 ft. 30 ft.																																										
Nearest Known Source of Contamination 50 feet Southwes Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No																																										
Pump ☐ Not Installed Date Installed 12/13/2002 Manufacturer's name GRUNDFOS Model Number 22SQE10C- HP 1 Volt 230 Length of drop pipe 42 ft Capacity 22 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 Quat. buried Last Strat sand +larger-brown Depth to Bedrock ft Located by Minnesota Department of Health Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 481722 Y 5008614 Unique Number Verification Input Date 01/08/2003																																										
Angled Drill Hole																																										
Well Contractor Renner E.H. Well 71015 ECKLAND, B. Licensee Business Lic. or Reg. No. Name of Driller																																										