

591543

County Hennepin
Quad Excelsior
Quad ID 105A

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

Entry Date 02/11/2000
Update Date 04/15/2015
Received Date

Well Name 118	Township 23	Range W 25	Dir Section CABADD	Subsection CABADD	Well Depth 248 ft.	Depth Completed 248 ft.	Date Well Completed 06/12/1998																																			
Elevation 988 ft.	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Bentonite																																			
Address Well 500 HUNTER PASS ORONO MN					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>TOP SOIL</td><td>0</td><td>3</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>3</td><td>18</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>18</td><td>42</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND & GRAVEL</td><td>42</td><td>96</td><td>VARIED</td><td>MEDIUM</td></tr><tr><td>SILTY CLAY</td><td>96</td><td>221</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND</td><td>221</td><td>248</td><td>VARIED</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	3	BLACK	SOFT	CLAY	3	18	BROWN	SOFT	CLAY	18	42	GRAY	SOFT	SAND & GRAVEL	42	96	VARIED	MEDIUM	SILTY CLAY	96	221	GRAY	SOFT	SAND	221	248	VARIED	SOFT	Well Hydrofractured? Yes ☐ No ☐ From To		
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					Casing Type Single casing Joint																																					
					Drive Shoe? Yes ☐ No ☐ Above/Below																																					
Casing Diameter 4 in. To 228 ft. lbs./ft.																																										
Hole Diameter 8 in. To 30 ft. 6.2 in. To 248 ft.																																										
Open Hole From ft. To ft.																																										
Screen? ☒ Type slotted pipe Make JAYCO Diameter Slot/Gauze Length Set 4 in. 20 20 ft. 228 ft. 248 ft.																																										
Static Water Level 97 ft. land surface Measure 06/12/1998																																										
Pumping Level (below land surface) 140 ft. 2 hrs. Pumping at 35 g.p.m.																																										
Wellhead Completion Pitless adapter manufacturer WHITEWATER Model S-5-4 ☐ 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 3 Sacks 0 ft. 30 ft. cuttings 30 ft. 148 ft.																																										
Nearest Known Source of Contamination 82 feet West Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No																																										
Pump ☐ Not Installed Date Installed 07/01/1998 Manufacturer's name STA-RITE Model Number HP 1.5 Volt 230 Length of drop pipe 140 ft Capacity 20 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 Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 457797 Y 4982989 Unique Number Verification Address verification Input Date 06/27/2014																																										
Angled Drill Hole																																										
Well Contractor R.E.S. Well Co. 27276 LEA, J. Licensee Business Lic. or Reg. No. Name of Driller																																										