

533979

County Chisago
Quad Forest Lake
Quad ID 134C

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

Entry Date 11/30/1993
Update Date 02/14/2014
Received Date

Well Name STAFFARONI	Township 33	Range 21	Dir Section W 21	Subsection CADDBC	Well Depth 180 ft.	Depth Completed 180 ft.	Date Well Completed 09/29/1993																														
Elevation 918 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)	Drill Method Non-specified Rotary				Drill Fluid Bentonite																															
Address Well 26271 GRANADA AV N WYOMING MN 55092					Use domestic	Status Active																															
Stratigraphy Information					Well Hydrofractured? Yes ☐ No ☐ From To																																
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SAND</td><td>0</td><td>10</td><td></td><td></td></tr><tr><td>CLAY</td><td>10</td><td>65</td><td></td><td></td></tr><tr><td>SAND</td><td>65</td><td>80</td><td></td><td></td></tr><tr><td>CLAY & GRAVEL</td><td>80</td><td>164</td><td></td><td></td></tr><tr><td>SAND & GRAVEL</td><td>164</td><td>180</td><td></td><td></td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	SAND	0	10			CLAY	10	65			SAND	65	80			CLAY & GRAVEL	80	164			SAND & GRAVEL	164	180			Casing Type Single casing Joint Glued		
Geological Material	From	To (ft.)	Color	Hardness																																	
SAND	0	10																																			
CLAY	10	65																																			
SAND	65	80																																			
CLAY & GRAVEL	80	164																																			
SAND & GRAVEL	164	180																																			
					Drive Shoe? Yes ☐ No ☒ Above/Below																																
					Casing Diameter 4 in. To 174 ft. 1.5 lbs./ft.																																
					Hole Diameter 8 in. To 174 ft.																																
					Open Hole From ft. To ft.																																
					Screen? ☒ Type stainless Make JOHNSON																																
					Diameter Slot/Gauze Length Set																																
					2.5 in. 10 6 ft. 174 ft. 180 ft.																																
					Static Water Level 25 ft. land surface Measure 09/29/1993																																
					Pumping Level (below land surface) 60 ft. 3 hrs. Pumping at 20 g.p.m.																																
					Wellhead Completion Pitless adapter manufacturer SNAPPY Model																																
					☐ 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																																
					cuttings 30 ft. 174 ft.																																
					bentonite ft. 30 ft.																																
					Nearest Known Source of Contamination 80 feet Southwes Direction Septic tank/drain field Type																																
					Well disinfected upon completion? ☒ Yes ☐ No																																
					Pump ☐ Not Installed Date Installed 10/24/1993																																
					Manufacturer's name GOULDS																																
					Model Number HP 0.5 Volt 230																																
					Length of drop pipe 60 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 Aquifer Quat. buried																																
					Last Strat sand +larger 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 502434 Y 5019582																																
					Unique Number Verification Address verification Input Date 02/04/2008																																
					Angled Drill Hole																																
					Well Contractor Mccullough & Sons 82054 BEAUVAIS, T																																
					Licensee Business Lic. or Reg. No. Name of Driller																																