

579648

County Washington
Quad St Paul Park
Quad ID 102C

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

Entry Date07/01/1999
Update Date02/14/2014
Received Date

Well Name KEYLINE	Township 27	Range 21	Dir W	Section 26	Subsection BACDDB	Well Depth 280 ft.	Depth Completed 280 ft.	Date Well Completed 08/08/1998																														
Elevation 902 ft.	Elev. Method CALC FROM 2-FOOT COUNTY DEM					Drill Method Non-specified Rotary	Drill Fluid Foam																															
Address C/W 10200 KIMBRO CI COTTAGE GROVE 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>TOPSOIL</td><td>0</td><td>10</td><td>BLACK</td><td>SOFT</td></tr><tr><td>SAND/GRAVEL</td><td>10</td><td>70</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SANDCOARSE</td><td>70</td><td>80</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>LIME ROCK</td><td>80</td><td>195</td><td>YELLOW</td><td>HARD</td></tr><tr><td>SAND ROCK</td><td>195</td><td>280</td><td>YELLOW</td><td>SOFT</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	TOPSOIL	0	10	BLACK	SOFT	SAND/GRAVEL	10	70	BROWN	SOFT	SANDCOARSE	70	80	BROWN	MEDIUM	LIME ROCK	80	195	YELLOW	HARD	SAND ROCK	195	280	YELLOW	SOFT	Well Hydrofractured? Yes ☐ No ☐ From To		
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						Casing Type Single casing Joint Welded																																
						Drive Shoe? Yes ☒ No ☐ Above/Below																																
						Casing Diameter Weight																																
4 in. To 260 ft. 10.79 lbs./ft.																																						
8 in. To 80 ft. 0 lbs./ft.																																						
Open Hole From 260 ft. To 280 ft.																																						
Screen? ☐ Type Make																																						
Static Water Level 145 ft. land surface Measure 08/08/1998																																						
Pumping Level (below land surface)																																						
Wellhead Completion Pitless adapter manufacturer MAASE 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 neat cement 5 0 ft. 260 ft.																																						
Nearest Known Source of Contamination 140 feet East Direction Septic tank/drain field Type Well disinfected upon completion? ☐ Yes ☐ No																																						
Pump ☐ Not Installed Date Installed 08/08/1998 Manufacturer's name RED JACKET Model Number 100CNSL- HP 1 Volt 230 Length of drop pipe 168 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 Prairie Du Chien Group Aquifer Jordan Last Strat Jordan Sandstone Depth to Bedrock 80 ft Located by Washington Cty. Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters) System UTM - NAD83, Zone 15, Meters X 508188 Y 4960897 Unique Number Verification Address with parcel Input Date 02/19/2004																																						
Angled Drill Hole																																						
Well Contractor Carlson Well Maher,t 19302 MOELLER, P. Licensee Business Lic. or Reg. No. Name of Driller																																						