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County Pine
Quad Hinckley
Quad ID 188C

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

Entry Date 01/27/1999
Update Date 02/14/2014
Received Date

Well Name CARTWRIGHT, 41					Township 20					Range W 4					Dir Section CACDDB					Subsection					Well Depth 136 ft.					Depth Completed 136 ft.					Date Well Completed 12/04/1998				
Elevation 1025					Elev. Method 7.5 minute topographic map (+/- 5 feet)																				Drill Method Non-specified Rotary					Drill Fluid Bentonite									
Address C/W RR 2 BOX 272B HINCKLEY MN 55037																																							
Stratigraphy Information																																							
Geological Material					From					To (ft.)					Color					Hardness																			
CLAY					0					8					BROWN					HARD																			
CLAY & GRAVEL					8					42					BROWN					MEDIUM																			
GRAVEL & ROCKS					42					68					BROWN					HARD																			
SHALE & CLAY					68					130					RED					MEDIUM																			
SAND					130					136					RED					SOFT																			
Use domestic Status Active																																							
Well Hydrofractured? Yes ☐ No ☒ From To																																							
Casing Type Single casing Joint Glued																																							
Drive Shoe? Yes ☐ No ☒ Above/Below																																							
Casing Diameter					Weight										Hole Diameter																								
4 in. To					132 ft. 2					lbs./ft.					8 in. To					136 ft.																			
Open Hole From ft. To ft.																																							
Screen? ☒ Type stainless Make WESCO																																							
Diameter					Slot/Gauze					Length					Set																								
4 in.					12					4 ft.					132 ft.					136 ft.																			
Static Water Level																																							
48 ft.					land surface										Measure					12/04/1998																			
Pumping Level (below land surface)																																							
134 ft.					2 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																								
bentonite					3 Sacks					0					ft. 30					ft.																			
Nearest Known Source of Contamination																																							
60 feet					Northwes Direction					Septic tank/drain field					Type																								
Well disinfected upon completion? ☒ Yes ☐ No																																							
Pump ☐ Not Installed Date Installed 12/04/1998																																							
Manufacturer's name FLINT & WALLING																																							
Model Number					HP 0.5					Volt 230																													
Length of drop pipe 80 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-red					Depth to Bedrock										ft																								
Located by Minnesota Geological Survey																																							
Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)																																							
System UTM - NAD83, Zone 15, Meters					X 509281					Y 5100643																													
Unique Number Verification					Tag on well					Input Date					07/16/1999																								
Angled Drill Hole																																							
Well Contractor																																							
Bill's Well					33655					KELLER, W.																													
Licensee Business					Lic. or Reg. No.					Name of Driller																													