

429377

County Clay
Quad Hickson
Quad ID 242A

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

Entry Date 01/22/1991
Update Date 02/14/2014
Received Date

Well Name OLSON, HUGO					Township 138		Range 48		Dir W		Section 19		Subsection DDCAAA		Well Depth 98 ft.		Depth Completed 95 ft.		Date Well Completed 04/29/1987																														
Elevation 906 ft.					Elev. Method 7.5 minute topographic map (+/- 5 feet)										Drill Method Non-specified Rotary					Drill Fluid Bentonite																													
Address															Use domestic					Status Active																													
C/W MOORHEAD MN 56560															Well Hydrofractured? Yes ☐ No ☐ From To																																		
Stratigraphy Information															Casing Type Single casing					Joint																													
															Drive Shoe? Yes ☐ No ☒					Above/Below 1 ft.																													
Geological Material															From					To (ft.)					Color					Hardness																			
TOP SOIL															0					1					BLACK																								
CLAY															1					17					BROWN																								
CLAY															17					74					BLUE																								
SANDY CLAY															74					75					BLUE																								
SAND															75					76					WHITE																								
SANDY CLAY															76					90					BLUE																								
SAND															90					92					GRAY																								
SANDY CLAY															92					93					BLUE																								
SAND															93					95					GRAY																								
SANDY CLAY															95					98					BLUE																								
															Open Hole From ft. To ft.																																		
															Screen? ☒					Type stainless					Make JOHNSON																								
															Diameter					Slot/Gauze					Length					Set																			
															4 in.					18					6 ft.					89 ft. 95 ft.																			
															Static Water Level																																		
															40 ft.					land surface					Measure					04/29/1987																			
															Pumping Level (below land surface)																																		
															73 ft.					5 hrs.					Pumping at					3 g.p.m.																			
															Wellhead Completion																																		
															Pitless adapter manufacturer					MONITOR					Model					4X5																			
															☐ 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															ft. ft.																			
															Nearest Known Source of Contamination																																		
															feet					Direction										Type																			
															Well disinfected upon completion? ☒ Yes ☐ No																																		
															Pump ☐ Not Installed										Date Installed					05/01/1987																			
															Manufacturer's name										GOULDS																								
															Model Number					7EH3422					HP					0.5					Volt					230									
															Length of drop pipe					76					ft					Capacity					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					clay+sand-gray					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 211193					Y 5184023																			
															Unique Number Verification					Information from					Input Date					09/21/1994																			
															Angled Drill Hole																																		
															Well Contractor																																		
															Ltp Enterprises					91353					SCHROEDER, F.																								
															Licensee Business					Lic. or Reg. No.					Name of Driller																								