

191921

County Washington
Quad Hudson
Quad ID 102A

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

Entry Date06/26/1990
Update Date05/12/2020
Received Date

Well Name Township Range Dir Section Subsection MNDOT SHAFER 28 20 W 4 ABCBAD					Well Depth 280 ft.		Depth Completed 280 ft.		Date Well Completed 08/24/1984	
Elevation 900 ft. Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Cable Tool		Drill Fluid			
Address C/W TOWER RD LAKELAND MN					Use industrial		Status Sealed			
Stratigraphy Information Geological Material From To (ft.) Color Hardness SAND & GRAVEL 0 37 BROWN BROKEN LIMEROCK 37 40 YELLOW BROKEN LIMEROCK 40 41 YELLOW LIMEROCK 41 227 YELLOW LIMEROCK 227 235 YELLOW SANDSTONE 235 238 WHITE SANDSTONE 238 250 BROWN SANDSTONE 250 280 TAN					Well Hydrofractured? Yes ☐ No ☐		From To			
					Casing Type Step down		Joint Welded			
					Drive Shoe? Yes ☒ No ☐		Above/Below 1 ft.			
					Casing Diameter Weight					
					12 in. To 176 ft. 54.57 lbs./ft.					
					20 in. To 41 ft. 78.6 lbs./ft.					
					Open Hole From 176 ft. To 280 ft.					
					Screen? ☐		Type Make			
Static Water Level 98 ft. land surface Measure 08/24/1984										
Pumping Level (below land surface) 137 ft. hrs. Pumping at 503 g.p.m.										
Wellhead Completion Pitless adapter manufacturer 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 18.5 Cubic yards 0 ft. 176 ft.										
Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No										
Pump ☐ Not Installed Date Installed 08/24/1984 Manufacturer's name JOHNSTON Model Number 8EC HP 30 Volt 230 Length of drop pipe 150 ft Capacity 500 g.p. Typ Turbine										
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 Prairie Du Chien- Last Strat Jordan Sandstone Depth to Bedrock 40 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 514907 Y 4977042 Unique Number Verification Information from Input Date 10/09/2003										
Angled Drill Hole										
Well Contractor Renner E.H. Well 71015 LEDBETTER, B. Licensee Business Lic. or Reg. No. Name of Driller										
Remarks GAMMA LOGGED 12-20-1988. WELL ABONDONED BY LEROY MCCULLOUGH. M.G.S. NO. 2139. DUPLICATE OF #449185.										