

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

Entry Date	01/25/1988
Update Date	02/24/2016
Received Date	

Well Name TROGSTAD,	Township 106	Range 12	Dir Section W 16	Subsection DADDDC	Well Depth 280 ft.	Depth Completed 280 ft.	Date Well Completed 08/30/1982																																						
Elevation 1278	Elev. Method 7.5 minute topographic map (+/- 5 feet)		Drill Method Cable Tool					Drill Fluid																																					
Address					Use domestic			Status Active																																					
					Well Hydrofractured? Yes ☐ No ☐			From To																																					
					Casing Type Single casing			Joint Welded																																					
					Drive Shoe? Yes ☒ No ☐			Above/Below 1.5 ft.																																					
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY</td><td>0</td><td>6</td><td>BROWN</td><td>SOFT</td></tr><tr><td>LIMESTONE</td><td>6</td><td>109</td><td>TAN</td><td>HARD</td></tr><tr><td>SHALE</td><td>109</td><td>154</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>LIMESTONE</td><td>154</td><td>177</td><td>GRAY</td><td>HARD</td></tr><tr><td>SHALE</td><td>177</td><td>180</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SANDSTONE</td><td>180</td><td>280</td><td>WHITE</td><td>MEDIUM</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	6	BROWN	SOFT	LIMESTONE	6	109	TAN	HARD	SHALE	109	154	GREEN	MEDIUM	LIMESTONE	154	177	GRAY	HARD	SHALE	177	180	BROWN	MEDIUM	SANDSTONE	180	280	WHITE	MEDIUM	Casing Diameter 4 in. To 250 ft.			Weight lbs./ft.	Hole Diameter 8 in. To 250 ft. 4 in. To 280 ft.	
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					Open Hole From 250 ft. To 280 ft.																																								
					Screen? ☐ Type Make																																								
Static Water Level 226 ft. land surface Measure 08/30/1982																																													
Pumping Level (below land surface) 226 ft. 3 hrs. Pumping at 17 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 4.5 Cubic yards 6 ft. 250 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 08/30/1982 Manufacturer's name RED JACKET Model Number 150 CNW1 HP 1.5 Volt 230 Length of drop pipe 240 ft Capacity 15 g.p. Type 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 Prosser-Cummingsville Aquifer St.Peter Last Strat St.Peter Sandstone Depth to Bedrock 6 ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 559376 Y 4870064 Unique Number Verification Name on mailbox Input Date 01/01/1990																																													
Angled Drill Hole																																													
Well Contractor Duryea Well Drilling 55213 HANSON, T. Licensee Business Lic. or Reg. No. Name of Driller																																													

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