

215382

County Polk
Quad Crookston
Quad ID 366D

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

Entry Date 04/17/1988
Update Date 07/25/2024
Received Date

Well Name BREKKEN,				Township 149	Range 46	Dir W	Section 6	Subsection BDADC	Well Depth 300 ft.	Depth Completed 300 ft.	Date Well Completed 02/24/1970																																																												
Elevation 883 ft.				Elev. Method 7.5 minute topographic map (+/- 5 feet)						Drill Method	Drill Fluid																																																												
Address C/W CROOKSTON MN									Use domestic	Status Active																																																													
Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>TOP SOIL</td><td>0</td><td>2</td><td>BLACK</td><td></td></tr><tr><td>SHALE</td><td>2</td><td>18</td><td>BROWN</td><td></td></tr><tr><td>SHALE</td><td>18</td><td>110</td><td>BLUE</td><td></td></tr><tr><td>CLAY</td><td>110</td><td>201</td><td>BLUE</td><td></td></tr><tr><td>SAND</td><td>201</td><td>205</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>205</td><td>220</td><td>BLUE</td><td></td></tr><tr><td>SAND</td><td>220</td><td>222</td><td>BLUE</td><td></td></tr><tr><td>CLAY</td><td>222</td><td>224</td><td>BLUE</td><td></td></tr><tr><td>SAND & GRAVEL</td><td>224</td><td>225</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>225</td><td>287</td><td>BLUE</td><td></td></tr><tr><td>DECOMPOSED</td><td>287</td><td>300</td><td>BRN/GRN</td><td></td></tr></tbody></table>									Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK		SHALE	2	18	BROWN		SHALE	18	110	BLUE		CLAY	110	201	BLUE		SAND	201	205	BROWN		CLAY	205	220	BLUE		SAND	220	222	BLUE		CLAY	222	224	BLUE		SAND & GRAVEL	224	225	BROWN		CLAY	225	287	BLUE		DECOMPOSED	287	300	BRN/GRN		Well Hydrofractured? Yes ☐ No ☐ From To		
									Geological Material	From	To (ft.)	Color	Hardness																																																										
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SAND & GRAVEL	224	225	BROWN																																																																				
CLAY	225	287	BLUE																																																																				
DECOMPOSED	287	300	BRN/GRN																																																																				
Casing Type Single casing			Joint																																																																				
Drive Shoe? Yes ☐ No ☐			Above/Below 0 ft.																																																																				
Casing Diameter Weight																																																																							
4 in. To 224 ft. lbs./ft.																																																																							
Open Hole From ft. To ft.																																																																							
Screen? ☒ Type stainless Make																																																																							
Diameter Slot/Gauze Length Set																																																																							
4 in. 25 5 ft. 224 ft. 229 ft.																																																																							
Static Water Level																																																																							
13 ft. land surface Measure 02/24/1970																																																																							
Pumping Level (below land surface)																																																																							
180 ft. 12 hrs. Pumping at 10 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																																																																							
Nearest Known Source of Contamination																																																																							
feet Direction Type																																																																							
Well disinfected upon completion? ☐ Yes ☐ No																																																																							
Pump ☐ Not Installed Date Installed																																																																							
Manufacturer's name																																																																							
Model Number HP Q Volt																																																																							
Length of drop pipe ft Capacity g.p. Typ																																																																							
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 weathering residuum unc. Aquifer Quat. buried																																																																							
Last Strat weathering residuum unc. Depth to Bedrock 287 ft																																																																							
Located by Minnesota Geological Survey																																																																							
Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)																																																																							
System UTM - NAD83, Zone 15, Meters X 230123 Y 5295350																																																																							
Unique Number Verification Input Date 01/01/1990																																																																							
Angled Drill Hole																																																																							
Well Contractor																																																																							
Ltp Enterprises 91353 PULKRABEK, C.																																																																							
Licensee Business Lic. or Reg. No. Name of Driller																																																																							