

429603

County Polk
Quad Crookston
Quad ID 366D

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date 04/08/1991

Update Date 09/23/2020

Received Date 03/05/1990

Well Name REGAN, JOHN					Township 150	Range 46	Dir W	Section 33	Subsection BBAABA	Well Depth 195 ft.		Depth Completed 195 ft.		Date Well Completed 04/25/1988																																																										
Elevation 891 ft.					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary		Drill Fluid																																																												
Address C/W CROOKSTON MN										Use domestic		Status Active																																																												
										Well Hydrofractured?		Yes ☐		No ☐		From		To																																																						
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>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>35</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>35</td><td>100</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SAND</td><td>100</td><td>105</td><td></td><td></td></tr><tr><td>CLAY</td><td>105</td><td>115</td><td>BLUE</td><td>HARD</td></tr><tr><td>GRAVEL</td><td>115</td><td>118</td><td></td><td></td></tr><tr><td>CLAY</td><td>118</td><td>130</td><td>BLUE</td><td>HARD</td></tr><tr><td>SAND</td><td>130</td><td>137</td><td></td><td></td></tr><tr><td>CLAY</td><td>137</td><td>180</td><td>BLUE</td><td>HARD</td></tr><tr><td>SAND</td><td>180</td><td>195</td><td></td><td></td></tr></tbody></table>										Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK	SOFT	CLAY	2	35	YELLOW	SOFT	CLAY	35	100	BLUE	SOFT	SAND	100	105			CLAY	105	115	BLUE	HARD	GRAVEL	115	118			CLAY	118	130	BLUE	HARD	SAND	130	137			CLAY	137	180	BLUE	HARD	SAND	180	195			Casing Type Single casing		Joint					
										Geological Material	From	To (ft.)	Color	Hardness																																																										
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CLAY	137	180	BLUE	HARD																																																																				
SAND	180	195																																																																						
Drive Shoe?		Yes ☒		No ☐		Above/Below		2 ft.																																																																
Casing Diameter		Weight		Hole Diameter																																																																				
4 in. To		187 ft. 1.9 lbs./ft.		8 in. To 190 ft.																																																																				
Open Hole										From		ft.		To		ft.																																																								
Screen? ☒		Type stainless		Make HOWARD SMITH																																																																				
Diameter		Slot/Gauze		Length		Set																																																																		
4 in.		12		8 ft.		187 ft.		195 ft.																																																																
Static Water Level										-1 ft.		land surface		Measure		04/25/1987																																																								
Pumping Level (below land surface)										ft.		2 hrs.		Pumping at		50 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		0.3 Cubic yards		0		ft. 30		ft.																																																																
bentonite		0.75 Cubic yards		30		ft. 120		ft.																																																																
Nearest Known Source of Contamination										100 feet		East Direction		Septic tank/drain field		Type																																																								
Well disinfected upon completion?										☒ Yes		☐ No																																																												
Pump ☒ Not Installed										Date Installed																																																														
Manufacturer's name																																																																								
Model Number		HP		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		Aquifer		Quat. buried																																																										
Last Strat		sand		Depth to Bedrock		ft																																																																		
Located by										Minnesota Geological Survey																																																														
Locate Method		GPS SA Off (averaged) (15 meters)																																																																						
System		UTM - NAD83, Zone 15, Meters		X		233047		Y		5297402																																																														
Unique Number Verification		Address verification		Input Date		02/05/2020																																																																		
Angled Drill Hole																																																																								
Well Contractor										Saga Well Co.		60347		SAGA, L.																																																										
Licensee Business		Lic. or Reg. No.		Name of Driller																																																																				

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