

646269

County Polk
Quad Fosston SE
Quad ID 332D

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date 02/14/2001

Update Date 05/11/2021

Received Date 09/25/2000

Well Name SORENSEN, Township 147 Range 39 Dir Section W 34 Subsection CACDBC	Well Depth 34 ft. Depth Completed 34 ft. Date Well Completed 08/16/2000																				
Elevation 1398 Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Non-specified Rotary Drill Fluid Qwik gel																				
Address C/W BOX 116 LENGBY MN 56651	Use domestic Status Active																				
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>17</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>17</td><td>23</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>GRAVEL</td><td>23</td><td>34</td><td>BROWN</td><td>MEDIUM</td></tr></table>	Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	17	YELLOW	SOFT	CLAY	17	23	BROWN	MEDIUM	GRAVEL	23	34	BROWN	MEDIUM	Well Hydrofractured? Yes ☐ No ☒ From To
	Geological Material	From	To (ft.)	Color	Hardness																
	CLAY	0	17	YELLOW	SOFT																
	CLAY	17	23	BROWN	MEDIUM																
	GRAVEL	23	34	BROWN	MEDIUM																
	Casing Type Single casing Joint	Drive Shoe? Yes ☐ No ☒ Above/Below																			
	Casing Diameter 4 in. To 30 ft. Weight lbs./ft. Hole Diameter 9 in. To 30 ft. 6.7 in. To 34 ft.																				
	Open Hole From ft. To ft.																				
	Screen? ☒ Type stainless Make JOHNSON																				
	Diameter 2 in. Slot/Gauze 18 Length 4 ft. Set 30 ft. 34 ft.																				
Static Water Level 5 ft. land surface Measure 08/16/2000																					
Pumping Level (below land surface) 34 ft. 2 hrs. Pumping at 40 g.p.m.																					
Wellhead Completion Pitless adapter manufacturer MAASS Model 4JCI																					
☐ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																					
Grouting Information Well Grouted? ☒ Yes ☐ No ☐ Not Specified																					
Material bentonite Amount 2 Sacks From 0 ft. To 30 ft.																					
Nearest Known Source of Contamination <u>90</u> feet <u>Southwes</u> Direction <u>Septic tank/drain field</u> Type																					
Well disinfected upon completion? ☒ Yes ☐ No																					
Pump ☐ Not Installed Date Installed <u>08/30/2000</u>																					
Manufacturer's name AERMOTOR																					
Model Number <u>S12-50</u> HP <u>0.5</u> Volt <u>230</u>																					
Length of drop pipe <u>15</u> ft. Capacity <u>12</u> g.p. Typ <u>Submersible</u>																					
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 Last Strat gravel (+larger)-brown Aquifer Quat. buried Depth to Bedrock ft																					
Remarks	Located by Minnesota Geological Survey																				
	Locate Method GPS SA Off (averaged) (15 meters)																				
	System UTM - NAD83, Zone 15, Meters X 303365 Y 5264459																				
	Unique Number Verification Tax Records Input Date 02/04/2020																				
	Angled Drill Hole																				
Well Contractor Brovold Wells 60638 ALLEN																					
Licensee Business Lic. or Reg. No. Name of Driller																					