

515631

County Polk
Quad Fosston
Quad ID 333D

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

Entry Date 07/11/1995
Update Date 05/13/2021
Received Date 01/30/1995

Well Name BARTZ,	Township 148	Range 41	Dir Section W 35	Subsection AADCAC	Well Depth 133 ft.	Depth Completed 133 ft.	Date Well Completed 06/28/1994																																			
Elevation 1254	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid																																			
Address C/W RR 2 BOX 93 MCINTOSH MN 56556					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>14</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>14</td><td>35</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>35</td><td>56</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>56</td><td>88</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY & FINE SAND</td><td>88</td><td>124</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND</td><td>124</td><td>133</td><td>BROWN</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	14	YELLOW	MEDIUM	CLAY	14	35	BROWN	MEDIUM	CLAY	35	56	BROWN	SOFT	CLAY	56	88	BROWN	MEDIUM	CLAY & FINE SAND	88	124	BROWN	SOFT	SAND	124	133	BROWN	SOFT	Well Hydrofractured? Yes ☐ No ☐ From To		
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					SAND	124	133	BROWN	SOFT																																	
					Casing Type Single casing ☐ Joint ☐																																					
					Drive Shoe? Yes ☐ No ☐ Above/Below																																					
Casing Diameter 4 in. To 125 ft. lbs./ft.																																										
Hole Diameter 9 in. To 30 ft. 6.7 in. To 133 ft.																																										
Open Hole From ft. To ft.																																										
Screen? ☒ Type stainless Make COOK																																										
Diameter Slot/Gauze Length Set																																										
2 in. 12 8 ft. ft. ft.																																										
Static Water Level 11 ft. land surface Measure 06/28/1994																																										
Pumping Level (below land surface) 52 ft. 3 hrs. Pumping at 40 g.p.m.																																										
Wellhead Completion Pitless adapter manufacturer MAASS Model 4JC1 ☐ 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 bentonite 1 Sacks 8 ft. 30 ft.																																										
Nearest Known Source of Contamination 68 feet Southwes Direction Barnyard Type Well disinfected upon completion? ☐ Yes ☐ No																																										
Pump ☐ Not Installed Date Installed 06/29/1994 Manufacturer's name AERMOTOR Model Number A12B50 HP 0.5 Volt 230 Length of drop pipe 70 ft Capacity 12 g.p. Typ 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 Aquifer Quat. buried Last Strat sand-brown Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 286911 Y 5275476 Unique Number Verification Tax Records Input Date 02/04/2020																																										
Angled Drill Hole																																										
Well Contractor Brovold Wells 60638 BROULD, K. Licensee Business Lic. or Reg. No. Name of Driller																																										