

788475

County Polk
Quad Fosston
Quad ID 332C

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

Entry Date 09/19/2012
Update Date 09/22/2020
Received Date 12/12/2011

Well Name AULIE, RICHARD 147					Township 40		Range W 27		Dir Section DCBDDA						
Elevation 1292					Elev. Method LiDAR 1m DEM (MNDNR)										
Address Well NA MN										Well Depth 133 ft.		Depth Completed 133 ft.		Date Well Completed 10/21/2011	
										Drill Method Non-specified Rotary		Drill Fluid Other			
										Use domestic		Status Active			
										Well Hydrofractured? Yes ☐ No ☒		From To			
										Casing Type Single casing		Joint Above/Below			
										Drive Shoe? Yes ☐ No ☒					
Stratigraphy Information										Casing Diameter 4 in. To 125 ft.		Weight lbs./ft.		Hole Diameter 6.7 in. To 133 ft.	
Geological Material		From	To (ft.)	Color	Hardness										
TOPSOIL		0	2	BLACK	SOFT										
CLAY		2	24	YELLOW	MEDIUM										
CLAY		24	106	GRAY	MEDIUM										
FINE SAND		106	110	GRAY	SOFT										
CLAY		110	118	GRAY	MEDIUM										
SAND		118	133	GRAY	SOFT										
										Open Hole From ft. To ft.					
										Screen? ☒		Type stainless		Make JOHNSON	
										Diameter Slot/Gauze Length Set					
										2 in. 15 8 ft. 125 ft. 133 ft.					
										Static Water Level 4 ft. land surface Measure 10/21/2011					
										Pumping Level (below land surface) 133 ft. 3 hrs. Pumping at 100 g.p.m.					
										Wellhead Completion Pitless adapter manufacturer BAKER Model 4A0 ☐ 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 well grouted, type unknown 12 Sacks 8 ft. 120 ft.					
										Nearest Known Source of Contamination 50 feet South Direction Well disinfected upon completion? ☒ Yes ☐ No Septic tank/drain field Type					
										Pump ☐ Not Installed Date Installed 10/21/2011 Manufacturer's name SCHAEFER Model Number HP 0.5 Volt 230 Length of drop pipe 60 ft Capacity 10 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 294224 Y 5266127 Unique Number Verification Tax Records Input Date 02/04/2020					
										Angled Drill Hole					
										Well Contractor Brovold Wells 2149 AFFELDT, M. Licensee Business Lic. or Reg. No. Name of Driller					

Remarks
DRILLING FLUID: SUPER GEL-X.
GROUTING INFO: MATERIAL= CEMENT.