

833043

County

Watonwan

Quad

St James

Quad ID

37A

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

12/13/2018

Update Date

08/02/2019

Received Date

11/29/2018

Well Name PCI Township 106 Range 31 Dir W Section 20 Subsection BACBBB	Well Depth 190 ft. Depth Completed 190 ft. Date Well Completed 10/19/2018
Elevation 1076.1 Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Non-specified Rotary Drill Fluid Bentonite
Address	Use industrial /commercial Status Active
Contact 14123 42ND ST E ST MICHAEL MN 55376	Well Hydrofractured? Yes ☐ No ☒ From To
Well 35155 746 AV ST JAMES MN 56081	Casing Type Single casing Joint
Stratigraphy Information	Drive Shoe? Yes ☐ No ☒ Above/Below
Geological Material From To (ft.) Color Hardness	Casing Diameter Weight Hole Diameter
TOP SOIL	6 in. To 176 ft. lbs./ft. 10 in. To 190 ft.
BLUE CLAY	
SANDY CLAY	
BLUE CLAY	
SANDSTONE	
	Open Hole From ft. To ft.
	Screen? ☒ Type stainless Make JOHNSON
	Diameter Slot/Gauze Length Set
	5 in. 15 15 ft. 176 ft. 190 ft.
	Static Water Level
	44 ft. land surface Measure 10/19/2018
	Pumping Level (below land surface)
	100 ft. 1 hrs. Pumping at 150 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
	bentonite 10 Sacks 175 ft. 190 ft.
	Nearest Known Source of Contamination
	500 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
	Last Strat Depth to Bedrock ft
	Located by Minnesota Department of Health
	Locate Method GPS SA Off (averaged) (15 meters)
	System UTM - NAD83, Zone 15, Meters X 372942 Y 4870528
	Unique Number Verification Info/GPS from data Input Date 07/25/2018
	Angled Drill Hole
	Well Contractor
	Peterson Well Drilling, Inc. 2293 PETERSON, J.
	Licensee Business Lic. or Reg. No. Name of Driller