Minnesota Unique Well Number

795168

County Cass
Quad Pine River
Quad ID 232B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date 11/18/2013
Update Date 05/05/2016
Received Date 09/27/2013

Well Name	Township	Range	Dir	Section	Subsection
ENKHAUS,	138	29	W	30	BDACBC

Elevation 1291 **Elev. Method** LiDAR 1m DEM (MNDNR)

Address

Contact 8701 171ST AV RAMSEY MN 55303
Well 6855 INDIAN TRAIL LA CHICKAMAW BEACH MN 56474

Stratigraphy Information

Geological Material	From	To (ft.)	Color	Hardness
SAND	0	45	BROWN	SOFT
SAND & CLAY	45	71	GRAY	SOFT
SAND	71	77	GRAY	SOFT

Remarks

Well Depth 77 ft. **Depth Completed** 77 ft. **Date Well Completed** 08/29/2013

Drill Method Non-specified Rotary **Drill Fluid** Bentonite

Use domestic **Status** Active

Well Hydrofractured? Yes ☐ No ☒ **From** **To**

Casing Type Single casing **Joint**
Drive Shoe? Yes ☐ No ☒ **Above/Below**

Casing Diameter	Weight	Hole Diameter
4 in. To 72 ft.	lbs./ft.	8.5 in. To ft.

Open Hole From ft. To ft.

Screen? ☒ **Type** stainless **Make** JOHNSON

Diameter	Slot/Gauze	Length	Set	
2 in.	10	5 ft.	72 ft.	77 ft.

Static Water Level
10 ft. land surface Measure 08/29/2013

Pumping Level (below land surface)
11 ft. 2 hrs. Pumping at 20 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		ft.	60 ft.

Nearest Known Source of Contamination
feet Direction 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-gray Depth to Bedrock ft
Located by Minnesota Geological Survey
Locate Method GPS SA Off (averaged) (15 meters)
System UTM - NAD83, Zone 15, Meters X 393037 Y 5177524
Unique Number Verification Address verification Input Date 09/14/2015

Angled Drill Hole

Well Contractor

Licensee Business	Lic. or Reg. No.	Name of Driller
Freeman Well Drilling	1839	MARLETT, N.