

747869

County Aitkin
Quad Spirit Lake
Quad ID 209B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date 11/05/2007

Update Date 08/29/2017

Received Date 02/20/2007

Well Name JOHNSON, Elevation 1277 Address Contact818 ELM ST ANOKA MN 55303 Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>SAND & CLAY</td><td>0</td><td>20</td><td>BROWN</td><td></td></tr><tr><td>MUD</td><td>20</td><td>40</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND</td><td>40</td><td>52</td><td>GRAY</td><td></td></tr><tr><td>CLAY</td><td>52</td><td>115</td><td>BROWN</td><td>SFT-MED</td></tr><tr><td>HARDPAN</td><td>115</td><td>162</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>162</td><td>176</td><td>BROWN</td><td></td></tr></tbody></table>	Geological Material	From	To (ft.)	Color	Hardness	SAND & CLAY	0	20	BROWN		MUD	20	40	GRAY	SOFT	SAND	40	52	GRAY		CLAY	52	115	BROWN	SFT-MED	HARDPAN	115	162	GRAY	MEDIUM	SAND	162	176	BROWN		Well Depth 176 ft. Depth Completed 176 ft. Date Well Completed 11/27/2006 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 4 in. Weight 168 ft. Hole Diameter 6.5 in. 176 ft.
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Open Hole

From

ft.

To

ft.

Screen?

☒

Type

stainless

Make

JOHNSON

Diameter

2 in.

Slot/Gauze

10

Length

8 ft.

Set

168 ft.176 ft.

Static Water Level

15 ft.

land surface

Measure

11/27/2006

Pumping Level (below land surface)

ft.

1 hrs.

Pumping at

14 g.p.m.

Wellhead Completion

Pitless adapter manufacturer

MONITOR

Model

SNAPPY

☐ Casing Protection

☐ 12 in. above grade

☐ At-grade (Environmental Wells and Borings ONLY)

Grouting Information

Well Grouted?

☒ Yes

☐ No

☐ Not Specified

Material

bentonite

Amount

4 Sacks

From

ft.

To

30 ft.

Nearest Known Source of Contamination

50 feet

Direction

Well disinfected upon completion?

☒ Yes

☐ No

Type

Pump

☐ Not Installed

Date Installed

Manufacturer's name

STA-RITE

Model Number

HP

0.5

Volt

230

Length of drop pipe

50 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

450171

Y

5144068

Unique Number Verification

Site Plan

Input Date

02/23/2016

Angled Drill Hole

Well Contractor

Hasskamp Bros. Well Drilling

1585

LLOYD

Licensee Business

Lic. or Reg. No.

Name of Driller