Minnesota Unique Well Number

809963

County Sherburne
Quad
Quad ID

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

Entry Date 12/04/2018
Update Date 12/04/2018
Received Date 10/20/2016

Well Name	Township	Range	Dir	Section	Subsection
NORTH	33	27	W	30	DDD

Elevation **Elev. Method**

Address

Well 18965 146TH ST ELK RIVER MN 55330
Contact 910 ELIOT AV MINNEAPOLIS MN 55404

Stratigraphy Information

Geological Material	From	To (ft.)	Color	Hardness
SAND & GRAVEL	0	35	BROWN	SOFT
CLAY	35	40	YELLOW	HARD
CLAY	40	48	GRAY	HARD
SAND & GRAVEL	48	68	TAN	SOFT
SAND & GRAVEL	68	90	TAN	SOFT

Remarks

Well Depth 90 ft. **Depth Completed** 90 ft. **Date Well Completed** 10/05/2016

Drill Method Non-specified Rotary **Drill Fluid** Qwik gel

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 80 ft.	lbs./ft.	8 in. To 90 ft.

Open Hole From ft. To ft.

Screen? ☒ **Type** plastic **Make** BIGFOOT

Diameter	Slot/Gauze	Length	Set
4 in.	20	10 ft.	80 ft. 90 ft.

Static Water Level
30 ft. null Measure 10/05/2016

Pumping Level (below land surface)
70 ft. 2 hrs. Pumping at 30 g.p.m.

Wellhead Completion
Pitless adapter manufacturer Model WELLS 4X1
☐ 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
neat cement	2	Sacks	64 ft.	74 ft.
other	4	Sacks	74 ft.	90 ft.
high solids bentonite	4	Sacks	ft.	50 ft.

Nearest Known Source of Contamination
47 feet West Direction Sewer Type
Well disinfected upon completion? ☒ Yes ☐ No

Pump ☐ Not Installed Date Installed 09/29/2016
Manufacturer's name GRUNDFOS-FLOWISE
Model Number HP 0.5 Volt 230
Length of drop pipe 70 ft Capacity 12 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
Locate Method
System UTM - NAD83, Zone 15, Meters X Y
Unique Number Verification Input Date

Angled Drill Hole

Well Contractor
Macs Well and Pump Service 1913 MCALPINE, D.
Licensee Business Lic. or Reg. No. Name of Driller