

800828

County

St. Louis

Quad

Knife River

Quad ID

243A

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

11/22/2013

Update Date

11/11/2019

Received Date

10/07/2013

Well Name JOHNSTON, KEN Township 52 Range 12 Dir Section W 35 Subsection ABBABA	Well Depth 120 ft. Depth Completed 120 ft. Date Well Completed 08/07/2013
Elevation 809 ft. Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Non-specified Rotary Drill Fluid Water
Address Well1394 SHILHON RD DULUTH MN 55804	Use domestic Status Active
Stratigraphy Information Geological Material CLAY AMYG. BASALT 4 From 0 61 To (ft.) 61 120 Color RED RED Hardness	Well Hydrofractured? Yes No From To
	Casing Type Single casing Joint Threaded
	Drive Shoe? Yes No Above/Below
	Casing Diameter 6 in. To 63 ft. Weight 19.45 lbs./ft. Hole Diameter 6 in. To 120 ft.
	Open Hole From 63 ft. To 120 ft.
	Screen? Type Make
	Static Water Level 26 ft. land surface Measure 08/08/2013
	Pumping Level (below land surface) 120 ft. 1 hrs. Pumping at 15 g.p.m.
	Wellhead Completion Pitless adapter manufacturer MAASS Model 6J1 Casing Protection 12 in. above grade At-grade (Environmental Wells and Borings ONLY)
	Grouting Information Well Grouted? Yes No Not Specified Material bentonite Amount 3 Sacks From To ft. 63 ft.
Remarks	Nearest Known Source of Contamination 100 feet Southeas Direction Septic tank/drain field Type Well disinfected upon completion? Yes No
	Pump Not Installed Date Installed 09/13/2013 Manufacturer's name STA-RITE Model Number HP 0.5 Volt 230 Length of drop pipe 100 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 upper southwest volc Aquifer upper southwest Last Strat upper southwest volc Depth to Bedrock 61 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters) System UTM - NAD83, Zone 15, Meters X 589471 Y 5200587 Unique Number Verification Info/GPS from data Input Date 07/25/2016
	Angled Drill Hole
	Well Contractor Ojard Well Drilling, Inc. 2133 LOVOLD, B. Licensee Business Lic. or Reg. No. Name of Driller