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County Aitkin
Quad Kimberly
Quad ID 228C

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

Entry Date 12/13/2011
Update Date 01/13/2020
Received Date 05/06/2010

Well Name JOHNSON,	Township 47	Range 25	Dir W	Section 34	Subsection DCDCAA	Well Depth 46 ft.	Depth Completed 46 ft.	Date Well Completed 05/26/2009
Elevation 1236	Elev. Method LiDAR 1m DEM (MNDNR)				Drill Method Non-specified Rotary	Drill Fluid Bentonite		
Address Well 30626 DAM LAKE ST AITKIN MN 56431						Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness FILL 0 3 BROWN MEDIUM CLAY 3 6 BROWN MEDIUM FINE SAND 6 30 BROWN MEDIUM MUD 30 40 GRAY MEDIUM ROCKS & GRAVEL 40 42 BROWN MEDIUM LEDGE ROCK 42 46 GRAY HARD						Well Hydrofractured? Yes ☐ No ☒ From To		
						Casing Type Single casing ☐ Joint ☒		
						Drive Shoe? Yes ☐ No ☒ Above/Below		
						Casing Diameter 4 in. To 42 ft. lbs./ft.		
						Hole Diameter 6.5 in. To 46 ft.		
						Open Hole From ft. To ft.		
						Screen? ☒ Type stainless Make JOHNSON		
						Diameter 2 in. Slot/Gauze 12 Length 4 ft. Set 42 ft. ft. 46 ft.		
						Static Water Level		
						Pumping Level (below land surface) ft. 1 hrs. Pumping at 20 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 Amount From To well grouted, type unknown 3 Sacks ft. 35 ft.								
Nearest Known Source of Contamination <u>50</u> feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No								
Pump ☐ Not Installed Date Installed Manufacturer's name STA-RITE Model Number HP 0.5 Volt 230 Length of drop pipe 35 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 Dam Lake Quartzite Aquifer Dam Lake Last Strat Dam Lake Quartzite Depth to Bedrock 42 ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 463104 Y 5150414 Unique Number Verification Tax Records Input Date 02/23/2016								
Angled Drill Hole								
Well Contractor Hasskamp Bros. Well Drilling 1585 HASSKAMP, D. Licensee Business Lic. or Reg. No. Name of Driller								