

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

Entry Date	10/30/1990
Update Date	02/14/2014
Received Date	

Well Name FLATEN, CAL	Township 112	Range 17	Dir W	Section 8	Subsection ABBCAB
Elevation 912 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)				
Address C/W CANNON FALLS MN 55009					
Stratigraphy Information Geological MaterialFromTo (ft.)ColorHardness DIRT06BROWNSOFT SANDSTONE655YELLOWM.SOFT LIMESTONE55336GRAYHARD SANDSTONE336383WHITEM.SOFT					
Well Depth 383 ft.					
Depth Completed 383 ft.					
Date Well Completed 08/14/1989					
Drill Method Reverse Rotary					
Drill Fluid					
Use domestic					
Status Active					
Well Hydrofractured? Yes ☐ No ☐ FromTo					
Casing Type Step downJointWelded					
Drive Shoe? Yes ☐ No ☐ Above/Below0 ft.					
Casing Diameter 4 in. To 357 ft. lbs./ft. 8 in. To 355 ft.					
Weight 8 in. To 38 ft. lbs./ft. 4 in. To 383 ft.					
Hole Diameter					
Open Hole From 357 ft. To 383 ft.					
Screen? ☐ TypeMake					
Static Water Level 109 ft. land surface Measure 07/14/1989					
Pumping Level (below land surface) 113 ft. hrs. Pumping at 18 g.p.m.					
Wellhead Completion Pitless adapter manufacturer MAAS Model 4JC1 ☐ 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 14.5 Cubic yards 0 ft. 355 ft.					
Nearest Known Source of Contamination 95 feet West Direction Septic tank/drain field Type Well disinfected upon completion? ☐ Yes ☐ No					
Pump ☐ Not Installed Date Installed 08/14/1989 Manufacturer's name JACUZZI Model Number HP 0 Volt Length of drop pipe 168 ft Capacity g.p. Type 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 St.Peter Sandstone Aquifer Jordan Last Strat Jordan Sandstone Depth to Bedrock 6 ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 509506 Y 4930513 Unique Number Verification Information from Input Date 06/26/1995					
Angled Drill Hole					
Well Contractor Cannon Well Co. 25552 VAUGHT, B. Licensee Business Lic. or Reg. No. Name of Driller					
Remarks					

Minnesota Well Index Report

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