

758846

County Norman
Quad Ulen NW
Quad ID 284B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date10/29/2008

Update Date11/16/2017

Received Date09/04/2008

Well NameTONER, Elevation941.6 Township143 Range45 Dir SectionW 8 SubsectionDDBBCA	Well Depth168 ft. Drill MethodNon-specified Rotary Use domestic Well Hydrofractured? Yes No Casing TypeSingle casing Drive Shoe? Yes No Casing Diameter4 in. Weight160 ft. Hole Diameter9 in. 30 ft.	Date Well Completed06/02/2008 Drill FluidQwik gel StatusActive FromTo JointAbove/Below Open HoleFromft.Toft. Screen? Typestainless Diameter2 in. Slot/Gauze15 Length8 ft. Set160 ft. MakeJOHNSON 168 ft.																																			
Address Well3090 140TH AV NE BORUP MN 56519	Static Water Level 38 ft. land surface Measure 06/02/2008	Pumping Level (below land surface) 168 ft. 2 hrs. Pumping at 40 g.p.m.																																			
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>TOPSOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>10</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>10</td><td>33</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>FINE SAND</td><td>33</td><td>36</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY</td><td>36</td><td>148</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>148</td><td>168</td><td>GRAY</td><td>SOFT</td></tr></tbody></table>	Geological Material	From	To (ft.)	Color	Hardness	TOPSOIL	0	2	BLACK	SOFT	CLAY	2	10	YELLOW	SOFT	CLAY	10	33	GRAY	MEDIUM	FINE SAND	33	36	GRAY	SOFT	CLAY	36	148	GRAY	MEDIUM	SAND	148	168	GRAY	SOFT	Wellhead Completion Pitless adapter manufacturerBAKER Model4A0 Casing Protection 12 in. above grade At-grade (Environmental Wells and Borings ONLY)	Grouting Information Well Grouted? Yes No Not Specified MaterialAmountFromTo bentonite2 Sacks8 ft.30 ft.
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Remarks LOCATION FROM OWNER, ADDRESS AND SKETCH	Nearest Known Source of Contamination 50 feet North Direction Septic tank/drain field Type Well disinfected upon completion? Yes No	Pump Not Installed Date Installed06/03/2008 Manufacturer's nameAERMOTOR Model NumberT-12-75 HP0.75 Volt230 Length of drop pipe120 ft Capacity12 g.p. TypSubmersible																																			
	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 byMinnesota Department of Health Locate MethodDigitization (Screen) - Map (1:24,000) (15 meters or SystemUTM - NAD83, Zone 15, Meters X241853 Y5234189 Unique Number Verification Address with parcel Input Date11/16/2017	Angled Drill Hole																																			
	Well Contractor Brovold Wells 2149 BECKSTROM, G. Licensee Business Lic. or Reg. No. Name of Driller																																				