

737947

County Winona
Quad Rollingston
Quad ID 47D

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

Entry Date
Update Date 08/18/2014
Received Date 09/05/2008

Well Name DOUGLAS, DAN	Township 107	Range 8	Dir Section W 2	Subsection BBBAAB	Well Depth 146 ft.	Depth Completed 146 ft.	Date Well Completed 09/14/2007																																				
Elevation 695 ft.	Elev. Method CALC FROM 2-FOOT COUNTY DEM	Drill Method Cable Tool				Drill Fluid																																					
Address Well 15987 DENZER RD MINNESOTA CITY MN 55959					Use domestic			Status Active																																			
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY</td><td>0</td><td>12</td><td>BROWN</td><td></td></tr><tr><td>CLAY LOOSE ROCK</td><td>12</td><td>18</td><td>BROWN</td><td></td></tr><tr><td>SAND GRAVEL</td><td>18</td><td>33</td><td>BROWN</td><td></td></tr><tr><td>SANDROCK</td><td>33</td><td>102</td><td>YELLOW</td><td></td></tr><tr><td>SANDROCK</td><td>102</td><td>138</td><td>WHITE</td><td></td></tr><tr><td>SHALE</td><td>138</td><td>146</td><td>BLUE</td><td></td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	12	BROWN		CLAY LOOSE ROCK	12	18	BROWN		SAND GRAVEL	18	33	BROWN		SANDROCK	33	102	YELLOW		SANDROCK	102	138	WHITE		SHALE	138	146	BLUE		Well Hydrofractured? Yes ☐ No ☐ From To			
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					Casing Type Single casing				Joint Welded																																		
					Drive Shoe? Yes ☒ No ☐ Above/Below																																						
Casing Diameter 4 in. To 88 ft. 11 lbs./ft.				Hole Diameter 8 in. To 88 ft. 4 in. To 146 ft.																																							
Open Hole From 88 ft. To 146 ft.																																											
Screen? ☐ Type Make																																											
Static Water Level 40 ft. land surface Measure 09/14/2007																																											
Pumping Level (below land surface) 41 ft. 2 hrs. Pumping at 25 g.p.m.																																											
Wellhead Completion Pitless adapter manufacturer Model ☐ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																																											
Grouting Information Material Amount From To neat cement 2 Cubic yards ft. 88 ft.				Well Grouted? ☒ Yes ☐ No ☐ Not Specified																																							
Nearest Known Source of Contamination 51 feet Southwes Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No																																											
Pump ☒ Not Installed Date Installed Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity 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 Wonewoc Sandstone Aquifer Wonewoc-Eau Last Strat Eau Claire Formation Depth to Bedrock 33 ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 599419 Y 4884430 Unique Number Verification Tax Records Input Date 04/07/2011																																											
Angled Drill Hole																																											
Well Contractor Drussell Well Drilling 1855 DRUSSELL, E. Licensee Business Lic. or Reg. No. Name of Driller																																											