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County Watonwan
Quad
Quad ID

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

Entry Date 04/17/1992
Update Date 02/14/2014
Received Date

Well Name BRANDT, EMMA	Township 105	Range 32	Dir W	Section 33	Subsection DCA	Well Depth 103 ft.	Depth Completed 99 ft.	Date Well Completed 02/14/1990							
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid								
Address C/W RR 1 BOX 190 ORMSBY MN 56162						Use domestic	Status Active								
						Well Hydrofractured?		Yes ☐	No ☐	From	To				
						Casing Type Single casing	Joint								
Stratigraphy Information Geological Material From To (ft.) Color Hardness TOP SOIL, CLAY 0 20 YELLOW SOFT CLAY, SILT 20 82 BLUE SOFT SAND GRAVEL SILT 82 90 GRAY SOFT CLAY 90 91 GRAY MEDIUM SAND GRAVEL 91 99 VARIED SOFT SANDY CLAY 99 103 BLUE MEDIUM						Drive Shoe?	Yes ☐	No ☐	Above/Below						
						Casing Diameter	Weight			Hole Diameter					
						5 in. To	94 ft.	lbs./ft.		9 in. To	103 ft.				
						Open Hole						From	ft.	To	ft.
						Screen?	☒	Type	stainless	Make	JOHNSON				
						Diameter	Slot/Gauze	Length	Set						
						5 in.	30	5 ft.	94 ft.	99 ft.					
						Static Water Level									
						62 ft.	land surface			Measure	02/14/1990				
						Pumping Level (below land surface)									
	ft.	2 hrs.	Pumping at		40 g.p.m.										
Wellhead Completion															
Pitless adapter manufacturer						MONITOR	Model	PS							
☐ 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							10 ft.	40 ft.							
bentonite							40 ft.	90 ft.							
Nearest Known Source of Contamination															
<u>75</u> feet						East Direction	<u>Barnyard</u> Type								
Well disinfected upon completion?						☒ Yes	☐ No								
Pump ☐ Not Installed						Date Installed	<u>02/14/1990</u>								
Manufacturer's name						GOULDS									
Model Number						<u>10EJ</u>	HP	<u>0.75</u>	Volt	<u>230</u>					
Length of drop pipe						<u>78</u> ft	Capacity	<u>10</u> g.p.	Typ	<u>Submersible</u>					
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 by															
Locate Method															
System						UTM - NAD83, Zone 15, Meters		X	Y						
Unique Number Verification						Input Date									
Angled Drill Hole															
Well Contractor															
Garlick-ziemann						46489	ZIEMANN, R.								
Licensee Business						Lic. or Reg. No.	Name of Driller								