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County McLeod
Quad Biscay
Quad ID 108D

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

Entry Date 07/06/2001
Update Date 12/07/2005
Received Date

Well Name HEIL FARM	Township 115	Range 29	Dir Section W 20	Subsection ABBCBC	Well Depth 109 ft.	Depth Completed 109 ft.	Date Well Completed 05/22/1998
Elevation 1051	Elev. Method 7.5 minute topographic map (+/- 5 feet)	Drill Method Non-specified Rotary				Drill Fluid Bentonite	
Address C/W 17475 100TH ST BROWNTON MN 55312					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness SOIL 0 2 BLACK SOFT CLAY 2 12 YELLOW SOFT CLAY 12 104 GRAY MEDIUM SAND 104 109 GRAY SOFT					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Single casing Joint		
					Drive Shoe? Yes ☐ No ☒ Above/Below		
					Casing Diameter Weight Hole Diameter		
					4 in. To 105 ft. 1.9 lbs./ft. 8 in. To 35 ft.		
					in. To ft. lbs./ft. 6.2 in. To 109 ft.		
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make COOK		
					Diameter Slot/Gauze Length Set		
					4 in. 15 4 ft. 105 ft. 109 ft.		
Static Water Level 35 ft. land surface Measure 05/22/1998							
Pumping Level (below land surface) 50 ft. 1 hrs. Pumping at 37.5 g.p.m.							
Wellhead Completion Pitless adapter manufacturer MONITOR Model 4 BO ☐ 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 bentonite 5 Sacks 6 ft. 30 ft. neat cement 2 Sacks 30 ft. 104 ft.							
Nearest Known Source of Contamination 75 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No							
Pump ☐ Not Installed Date Installed <u>06/25/1998</u> Manufacturer's name AERMOTOR Model Number <u>A+12B-50</u> HP <u>0.5</u> Volt <u>230</u> Length of drop pipe <u>60</u> ft Capacity <u>12</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 Quat. buried Last Strat sand-gray Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 393475 Y 4957163 Unique Number Verification Tag on well Input Date 06/16/2005							
Angled Drill Hole							
Well Contractor Heil Well Co. 43085 HEIL, R. Licensee Business Lic. or Reg. No. Name of Driller							