

596091

County Dakota
Quad Hastings
Quad ID 87A

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

Entry Date 08/06/2001
Update Date 02/21/2006
Received Date 06/25/2001

Well Name KOTVAL, JON					Township 114		Range 16		Dir Section W 29		Subsection CCAACB		Well Depth 340 ft.		Depth Completed 340 ft.		Date Well Completed 01/17/2001				
Elevation 894 ft.					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Air Rotary					Drill Fluid Foam						
Address														Use domestic				Status Active			
C/W 20798 POLK AV HASTINGS MN 55033														Well Hydrofractured? Yes ☐ No ☐ From To							
Stratigraphy Information														Casing Type Single casing				Joint Threaded			
Drive Shoe? Yes ☒ No ☐ Above/Below																					
Casing Diameter 4 in. To 308 ft. 10.79 lbs./ft.														Weight				Hole Diameter 12 in. To 7 ft.			
Geological Material From To (ft.) Color Hardness																					
TOP SOIL 0 3 BLACK SOFT																					
BROKEN LIMESTONE 3 7 BROWN MEDIUM																					
LIMESTONE 7 245 BROWN HARD																					
SAND STONE 245 340 ORN/BRN SOFT																					
														Open Hole From 308 ft. To 340 ft.							
														Screen? ☐ Type Make							
														Static Water Level							
														200 ft. land surface				Measure 08/30/1999			
														Pumping Level (below land surface)							
														201 ft. 2 hrs. Pumping at				10 g.p.m.			
														Wellhead Completion							
														Pitless adapter manufacturer MAASS Model 4J1							
														☐ 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 69 Sacks 0 ft. 308 ft.							
														Nearest Known Source of Contamination							
														135 feet South Direction				Septic tank/drain field Type			
														Well disinfected upon completion? ☒ Yes ☐ No							
														Pump ☐ Not Installed Date Installed 11/30/2000							
														Manufacturer's name WEBTROL							
														Model Number 10231014 HP 1 Volt 230							
														Length of drop pipe 210 ft Capacity 10 g.p. Typ 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 Prairie Du Chien Group				Aquifer Jordan			
														Last Strat Jordan Sandstone				Depth to Bedrock 3 ft			
														Located by Minnesota Geological Survey							
														Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or							
														System UTM - NAD83, Zone 15, Meters X 518377 Y 4943765							
														Unique Number Verification Address verification Input Date 08/22/2005							
														Angled Drill Hole							
														Well Contractor							
														Carlson Well Maher,t 19302 KAASE, B.							
														Licensee Business Lic. or Reg. No. Name of Driller							