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CountyOtter Tail

QuadDent

Quad ID237C

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date01/08/2003

Update Date05/10/2019

Received Date11/18/2002

Well NameQUIRAM, Elevation1378 AddressC/W 835 3RD ST SW RICHVILLE MN 56576 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>CLAY</td><td>0</td><td>20</td><td>YELLOW</td><td></td></tr><tr><td>SANDY</td><td>20</td><td>28</td><td></td><td></td></tr><tr><td>CLAY</td><td>28</td><td>64</td><td>BLUE</td><td></td></tr><tr><td>SAND</td><td>64</td><td>65</td><td></td><td></td></tr><tr><td>CLAY</td><td>65</td><td>81</td><td>BLUE</td><td></td></tr><tr><td>SAND</td><td>81</td><td>92</td><td></td><td></td></tr></tbody></table>	Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	20	YELLOW		SANDY	20	28			CLAY	28	64	BLUE		SAND	64	65			CLAY	65	81	BLUE		SAND	81	92			Well Depth92 ft. Drill MethodNon-specified Rotary Use domestic Well Hydrofractured? Yes No Casing TypeSingle casing Drive Shoe? Yes No Casing Diameter4 in. WeightTo lbs./ft. Open Hole <table><thead><tr><th>From</th><th>ft.</th><th>To</th><th>ft.</th></tr></thead><tbody><tr><td>4 in.</td><td>25</td><td>5 ft.</td><td></td></tr></tbody></table> Static Water Level <table><tbody><tr><td>39 ft.</td><td>land surface</td><td>Measure</td><td>10/31/2002</td></tr></tbody></table> Pumping Level (below land surface) <table><tbody><tr><td>ft.</td><td>hrs.</td><td>Pumping at</td><td>45 g.p.m.</td></tr></tbody></table> Wellhead Completion Pitless adapter manufacturer YES Model Casing Protection 12 in. above grade At-grade (Environmental Wells and Borings ONLY) Grouting Information Well Grouted? X Yes No Not Specified Material Amount From To bentonite 0 ft. 45 ft. Nearest Known Source of Contamination 90 feet Southwes Direction Well disinfected upon completion? X Yes No Pump Not Installed Date Installed Manufacturer's name GOULDS Model Number HP 0.5 Volt 230 Length of drop pipe 60 ft Capacity 10 g.p. Typ Submersible Abandoned Does property have any not in use and not sealed well(s)? No Yes X No Variance Was a variance granted from the MDH for this well? No Yes X No Miscellaneous First Bedrock Aquifer Quat. buried Last Strat sand 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 297808 Y 5153367 Unique Number Verification Site Plan Input Date 01/28/2019 Angled Drill Hole Well Contractor Waskosky Well Co. 26130 WOSKOSKY, T. Licensee Business Lic. or Reg. No. Name of Driller	From	ft.	To	ft.	4 in.	25	5 ft.		39 ft.	land surface	Measure	10/31/2002	ft.	hrs.	Pumping at	45 g.p.m.
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