

785951

County Chippewa
Quad Watson
Quad ID 130D

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

Entry Date11/11/2011

Update Date05/17/2022

Received Date09/14/2011

Well NameTHORSLAND, Township119 Range41 Dir SectionW 16 SubsectionDADDCD Elevation991 ft. Elev. MethodLiDAR 1m DEM (MNDNR)	Well Depth200 ft. Depth Completed200 ft. Date Well Completed08/29/2011 Drill MethodNon-specified Rotary Drill FluidBentonite																																													
Address Contact6045 100TH AV NW MILAN MN 56262	Use domestic StatusActive																																													
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOPSOIL</td><td>0</td><td>2</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>2</td><td>38</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>38</td><td>56</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>COARSE GRAVEL</td><td>56</td><td>75</td><td>GRAY</td><td></td></tr><tr><td>CLAY</td><td>75</td><td>99</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>99</td><td>143</td><td>BLUE</td><td>HARD</td></tr><tr><td>CLAY</td><td>143</td><td>176</td><td>BLACK</td><td>HARD</td></tr><tr><td>SAND</td><td>176</td><td>200</td><td>WHITE</td><td>MEDIUM</td></tr></table>	Geological Material	From	To (ft.)	Color	Hardness	TOPSOIL	0	2	BLACK	MEDIUM	CLAY	2	38	YELLOW	MEDIUM	CLAY	38	56	BLUE	MEDIUM	COARSE GRAVEL	56	75	GRAY		CLAY	75	99	BLUE	MEDIUM	CLAY	99	143	BLUE	HARD	CLAY	143	176	BLACK	HARD	SAND	176	200	WHITE	MEDIUM	Well Hydrofractured? Yes☐No☒ FromTo
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Casing TypeSingle casing Joint Drive Shoe? Yes☐No☐ Above/Below																																														
Casing DiameterWeightHole Diameter 5 in. To 180 ft. lbs./ft. 9 in. To 200 ft.																																														
Open Hole Fromft.Toft.																																														
Screen?☒TypeplasticMake DiameterSlot/GauzeLengthSet 5 in. 20 20 ft. 180 ft. 200 ft.																																														
Static Water Level 53 ft. land surface Measure 08/29/2011																																														
Pumping Level (below land surface) 75 ft. 10 hrs. Pumping at 10 g.p.m.																																														
Wellhead Completion Pitless adapter manufacturerMERRILLModel5PH-5 ☐ Casing Protection☐ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																																														
Grouting Information Well Grouted?☒Yes☐No☐Not Specified MaterialAmountFromTo bentoniteft. 50 ft.																																														
Nearest Known Source of Contamination 95 feetEast DirectionSeptic tank/drain field Type Well disinfected upon completion?☒Yes☐No																																														
Pump☐Not InstalledDate Installed08/29/2011 Manufacturer's nameSTARITE Model NumberHP0.5Volt220 Length of drop pipe75 ft Capacityg.p. TypSubmersible																																														
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 BedrockCretaceous undiff. AquiferCretaceous, Last StratCretaceous undiff. Depth to Bedrock143 ft Located byMinnesota Geological Survey Locate MethodDigitization (Screen) - Map (1:24,000) (15 meters or SystemUTM - NAD83, Zone 15, MetersX 279937Y 4999258 Unique Number VerificationInformation fromInput Date10/06/2020																																														
Remarks	Angled Drill Hole																																													
	Well Contractor Jacobs, Jacobs and Larson1902LARSON, L. Licensee BusinessLic. or Reg. No. Name of Driller																																													