

745515

County

Pine

Quad

Moose Lake

Quad ID

206A

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

07/25/2007

Update Date

08/17/2009

Received Date

06/18/2007

Well Name OKEEFE, PAT Township 45 Range 19 Dir W Section 6 Subsection DDADAC	Well Depth 78 ft. Depth Completed 78 ft. Date Well Completed 05/15/2007																														
Elevation 1099 Elev. Method Calc from DEM (USGS 7.5 min or equiv.)	Drill Method Non-specified Rotary Drill Fluid Bentonite																														
Address Contact27159 BAYSHORE CI ISANTI MN 55040	Use domestic Status Active																														
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SAND</td><td>0</td><td>8</td><td></td><td></td></tr><tr><td>CLAY</td><td>8</td><td>18</td><td></td><td></td></tr><tr><td>SAND & CLAY</td><td>18</td><td>25</td><td></td><td></td></tr><tr><td>GRAVEL & SAND</td><td>25</td><td>70</td><td></td><td></td></tr><tr><td>SAND</td><td>70</td><td>78</td><td></td><td></td></tr></table>	Geological Material	From	To (ft.)	Color	Hardness	SAND	0	8			CLAY	8	18			SAND & CLAY	18	25			GRAVEL & SAND	25	70			SAND	70	78			Well Hydrofractured? Yes☐ No☒ From To Casing Type Single casing Joint Unknown Drive Shoe? Yes☐ No☒ Above/Below Casing Diameter Weight Hole Diameter 4 in. To 73 ft. lbs./ft. 8 in. To 78 ft. Open Hole From ft. To ft. Screen? ☒ Type plastic Make BIGFOOT Diameter Slot/Gauze Length Set 4 in. 15 5 ft. 73 ft. 78 ft. Static Water Level 30 ft. land surface Measure 05/15/2007 Pumping Level (below land surface) 75 ft. 2 hrs. Pumping at 12 g.p.m. Wellhead Completion Pitless adapter manufacturer MONITOR Model SNAPPY ☐ 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 3 Sacks ft. 35 ft. Nearest Known Source of Contamination 50 feet South Direction Sewer Type Well disinfected upon completion? ☐ Yes ☐ No Pump ☐ Not Installed Date Installed 05/19/2007 Manufacturer's name SCHAEFFER Model Number HP 0.5 Volt 230 Length of drop pipe 60 ft Capacity 12 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 Aquifer Last Strat Depth to Bedrock ft Located by Minnesota Department of Health Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 516664 Y 5139219 Unique Number Verification Info/GPS from data Input Date 05/15/2007 Angled Drill Hole Well Contractor Mora Well Co. 1512 KELLER, B. Licensee Business Lic. or Reg. No. Name of Driller
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