

181110

County Todd
Quad Lake Osakis
Quad ID 179A

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

Entry Date 04/17/1988
Update Date 02/14/2014
Received Date

Well Name FLEAHMAN,					Township 128	Range 35	Dir W	Section 4	Subsection BBACDC	Well Depth 53 ft.				Depth Completed 51 ft.				Date Well Completed 06/03/1982																																																																	
Elevation 1370					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary				Drill Fluid																																																																					
Address Well 20879 133RD AV MN Contact 5724 74TH AV N MINNEAPOLIS MN 55433										Use domestic Status Active																																																																									
Stratigraphy Information										Well Hydrofractured? Yes ☐ No ☐ From To																																																																									
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY</td><td>0</td><td>10</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>10</td><td>30</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND & GRAVEL</td><td>30</td><td>33</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>33</td><td>40</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND</td><td>40</td><td>42</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY</td><td>42</td><td>46</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND & GRAVEL</td><td>46</td><td>53</td><td>GRAY</td><td>SOFT</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	10	BROWN	MEDIUM	CLAY	10	30	GRAY	MEDIUM	SAND & GRAVEL	30	33	BROWN	SOFT	CLAY	33	40	GRAY	SOFT	SAND	40	42	GRAY	SOFT	CLAY	42	46	GRAY	SOFT	SAND & GRAVEL	46	53	GRAY	SOFT	<table><tr><td>Casing Type</td><td colspan="2">Single casing</td><td>Joint</td><td colspan="2">Threaded</td></tr><tr><td>Drive Shoe?</td><td>Yes ☐</td><td>No ☐</td><td>Above/Below</td><td colspan="2">2 ft.</td></tr><tr><td>Casing Diameter</td><td colspan="2">Weight</td><td colspan="3">Hole Diameter</td></tr><tr><td>4 in. To</td><td>47 ft.</td><td>lbs./ft.</td><td>4 in. To</td><td colspan="2">47 ft.</td></tr></table>										Casing Type	Single casing		Joint	Threaded		Drive Shoe?	Yes ☐	No ☐	Above/Below	2 ft.		Casing Diameter	Weight		Hole Diameter			4 in. To	47 ft.	lbs./ft.	4 in. To	47 ft.	
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Open Hole										From		ft.		To		ft.																																																																			
Screen? ☒										Type stainless		Make JOHNSON																																																																							
Diameter										Slot/Gauze		Length		Set																																																																					
3 in.										15		4.9 ft.		47 ft.		51 ft.																																																																			
Static Water Level										35 ft.		land surface		Measure		06/03/1982																																																																			
Pumping Level (below land surface)										47 ft.		1 hrs.		Pumping at		10 g.p.m.																																																																			
Wellhead Completion										Pitless adapter manufacturer Model																																																																									
☐ 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																																																																					
cuttings												0		ft. 40		ft.																																																																			
Nearest Known Source of Contamination										55 feet		North Direction		<u>Septic tank/drain field</u> Type																																																																					
Well disinfected upon completion?										☒ Yes ☐ No																																																																									
Pump ☒ Not Installed										Date Installed																																																																									
Manufacturer's name																																																																																			
Model Number										HP		Volt																																																																							
Length of drop pipe										ft		Capacity		g.p.		Typ																																																																			
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 +larger-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 337627		Y 5088504																																																																							
Unique Number Verification										Tax Records		Input Date		12/17/2004																																																																					
Angled Drill Hole																																																																																			
Well Contractor										Traut Well 73157 ZUPAN, K.																																																																									
Licensee Business										Lic. or Reg. No.		Name of Driller																																																																							
Remarks																																																																																			