

113301

County Pope
Quad Starbuck
Quad ID 162D

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 KLYVE, ARNIE	Township 125	Range 39	Dir W	Section 24	Subsection DCCDC	Well Depth 85 ft.	Depth Completed 85 ft.	Date Well Completed 05/06/1976																																			
Elevation 1185	Elev. Method 7.5 minute topographic map (+/- 5 feet)				Drill Method Cable Tool	Drill Fluid																																					
Address Well RR 2 STARBUCK MN						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>SOIL</td><td>0</td><td>2</td><td>BLACK</td><td></td></tr><tr><td>CLAY SANDY</td><td>2</td><td>29</td><td>YELLOW</td><td>HARD</td></tr><tr><td>SANDY CLAY ROCKS</td><td>29</td><td>35</td><td>YELLOW</td><td></td></tr><tr><td>CLAY</td><td>35</td><td>63</td><td>BLUE</td><td>HARD</td></tr><tr><td>SAND & CLAY MIX</td><td>63</td><td>77</td><td>BLUE</td><td>SOFT</td></tr><tr><td>MIXED SAND</td><td>77</td><td>85</td><td>BROWN</td><td></td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	SOIL	0	2	BLACK		CLAY SANDY	2	29	YELLOW	HARD	SANDY CLAY ROCKS	29	35	YELLOW		CLAY	35	63	BLUE	HARD	SAND & CLAY MIX	63	77	BLUE	SOFT	MIXED SAND	77	85	BROWN		Casing Type Single casing Joint Threaded		
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						Drive Shoe? Yes ☐ No ☐ Above/Below																																					
						Casing Diameter Weight 3 in. To 81 ft. lbs./ft.																																					
						Open Hole From ft. To ft.																																					
						Screen? ☒ Type other Make JOHNSON Diameter Slot/Gauze Length Set in. 35 4 ft. 81 ft. 85 ft.																																					
						Static Water Level 3 ft. land surface Measure 05/06/1976																																					
						Pumping Level (below land surface) 12 ft. 3 hrs. Pumping at 8 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 ft. ft.																																					
						Nearest Known Source of Contamination feet Direction 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-brown Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 303531 Y 5054346 Unique Number Verification Information from Input Date 01/01/1990																																					
						Angled Drill Hole																																					
						Well Contractor Heegard Well Drill 61055 HEEGARD, G. Licensee Business Lic. or Reg. No. Name of Driller																																					