

156892

County Houston
Quad Wilmington
Quad ID 3D

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

Entry Date 04/28/1992
Update Date 03/13/2014
Received Date

Well Name GUBERUD,					Township 101	Range 6	Dir W	Section 4	Subsection BCCBCD	Well Depth 460 ft.		Depth Completed 460 ft.		Date Well Completed 12/04/1990																																		
Elevation 1230		Elev. Method 7.5 minute topographic map (+/- 5 feet)		Drill Method Air Rotary										Drill Fluid																																		
Address C/W RR 1 CALEDONIA MN 55921										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>CLAY & ROCK</td><td>0</td><td>10</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SHALE</td><td>10</td><td>14</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>SANDSTONE</td><td>14</td><td>93</td><td>WHITE</td><td>SOFT</td></tr><tr><td>ROCK</td><td>93</td><td>220</td><td>BROWN</td><td>HARD</td></tr><tr><td>CRECICE LOGS</td><td>220</td><td>425</td><td></td><td></td></tr><tr><td>SANDSTONE</td><td>425</td><td>460</td><td>BROWN</td><td>SOFT</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	CLAY & ROCK	0	10	BROWN	MEDIUM	SHALE	10	14	GREEN	MEDIUM	SANDSTONE	14	93	WHITE	SOFT	ROCK	93	220	BROWN	HARD	CRECICE LOGS	220	425			SANDSTONE	425	460	BROWN	SOFT	Well Hydrofractured? Yes ☐ No ☐		From To	
										Geological Material	From	To (ft.)	Color	Hardness																																		
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										Casing Type Single casing		Joint Welded																																				
										Drive Shoe? Yes ☒ No ☐		Above/Below 0 ft.																																				
Casing Diameter 4 in. To		Weight 425 ft. 10.79 lbs./ft.		Hole Diameter 8 in. To 425 ft. 4 in. To 460 ft.																																												
Open Hole From 425 ft. To 460 ft.																																																
Screen? ☐		Type		Make																																												
Static Water Level 204 ft. land surface		Measure		12/04/1990																																												
Pumping Level (below land surface) 310 ft. 2 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 neat cement 7 Cubic yards 6 ft. 425 ft.																																																
Nearest Known Source of Contamination 200 feet South Direction Septic tank/drain field Type Well disinfected upon completion? ☐ Yes ☐ No																																																
Pump ☒ Not Installed Date Installed Manufacturer's name Model Number HP Q 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 Glenwood Formation Aquifer Jordan Last Strat Jordan Sandstone Depth to Bedrock 10 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 615410 Y 4826341 Unique Number Verification Other, note in Input Date 06/02/2000																																																
Angled Drill Hole																																																
Well Contractor Larson Dale Well 23623 LARSON, D. Licensee Business Lic. or Reg. No. Name of Driller																																																