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County Fillmore
Quad Chatfield
Quad ID 27C

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

Entry Date 09/17/2015
Update Date 09/12/2024
Received Date 06/04/2015

Well Name BUCKNELL, Elevation 1184 Address C/W 4040 HILL ST CHATFIELD MN 55923 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>SOFT</td></tr><tr><td>LIMESTONE</td><td>10</td><td>40</td><td>GRAY</td><td>HARD</td></tr><tr><td>SHALE</td><td>40</td><td>82</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>LIMESTONE</td><td>82</td><td>102</td><td>BROWN</td><td>HARD</td></tr><tr><td>SHALE</td><td>102</td><td>109</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>SANDSTONE</td><td>109</td><td>198</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>DOLOMITE</td><td>198</td><td>497</td><td>GRAY</td><td>HARD</td></tr><tr><td>SANDSTONE</td><td>497</td><td>545</td><td>GRAY</td><td>MEDIUM</td></tr></table>	Geological Material	From	To (ft.)	Color	Hardness	CLAY & ROCK	0	10	BROWN	SOFT	LIMESTONE	10	40	GRAY	HARD	SHALE	40	82	BLUE	MEDIUM	LIMESTONE	82	102	BROWN	HARD	SHALE	102	109	GREEN	MEDIUM	SANDSTONE	109	198	BROWN	MEDIUM	DOLOMITE	198	497	GRAY	HARD	SANDSTONE	497	545	GRAY	MEDIUM	Well Depth 545 ft. Drill Method Non-specified Rotary Use domestic Well Hydrofractured? Yes ☐ No ☒ Casing Type Single casing Drive Shoe? Yes ☒ No ☐ Casing Diameter 4 in. To 519 ft. Weight 10.79 lbs./ft. Hole Diameter 8 in. To 519 ft. 4 in. To 545 ft. Open Hole From 519 ft. To 545 ft. Screen? ☐ Type Make Static Water Level 217 ft. land surface Measure 06/04/2015 Pumping Level (below land surface) Wellhead Completion Pitless adapter manufacturer MONITOR Model 4X6 ☐ 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 pearock 2.5 Cubic yards 200 ft. 500 ft. neat cement 6 Cubic yards ft. 519 ft. Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No Pump ☐ Not Installed Date Installed 06/04/2015 Manufacturer's name GRUNDFOS Model Number 10S15-21 HP 1.5 Volt 230 Length of drop pipe 231 ft Capacity 13 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 Galena/Cummingsville Fm Aquifer Jordan Last Strat Jordan Sandstone Depth to Bedrock 10 ft Located by Minnesota Department of Health Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 564361 Y 4853684 Unique Number Verification Info/GPS from data Input Date 12/16/2015 Angled Drill Hole Well Contractor Rowland Well Co., Inc. 1928 ROWLAND, S Licensee Business Lic. or Reg. No. Name of Driller
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