

58720

needs

Iowa Department of Natural Resources Geological Survey Bureau
109 Townbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

WELL RECORD

Permit No. 2003-306W
PWSID# 5731801

Site Identification Property Owner <u>John XXIII Church</u> Well Number _____ Address <u>80th St, Cedar Rapids IA</u> Tenant <u>Catholic Parish</u> Well Depth <u>300</u> ft Date completed <u>9 / 3 / 03</u>					Drill method ☒ rotary ☐ auger ☐ cable ☐ other _____ Hole size <u>11</u> inch from <u>0</u> ft to <u>186</u> ft <u>5 7/8</u> inch from <u>186</u> ft to <u>300</u> ft hole size continued _____ inch from _____ ft to _____ ft																																																									
Location County <u>Linn</u> _____ mi. N and _____ mi. E of intersection of _____ and _____ 1/4 of the _____ 1/4 of the <u>NE</u> 1/4 of Sec. <u>4</u> TWP <u>82N</u> RNG <u>8W</u> Show exact location of well in section grid with a dot (•). Sketch map of well location on property.					Record all depth measurements from ground level (GL). Use (+) for above GL measurements. Casing Drive shoe (yes/no) ☒ Pileless socket (yes/no) ☒ Size (OD) Type / Wt Depth top Depth bottom Amount (length) <u>6" ID</u> <u>steel A53</u> <u>+1</u> <u>185'</u> <u>186'</u>																																																									
Section grid showing well location (dot) and cardinal directions (N, S, E, W). Scale bar indicates 200 ft.					Perforated or slotted casing? (yes/no) ☒ Perforated / slotted from _____ ft to _____ ft Perforated / slotted from _____ ft to _____ ft																																																									
Formation log <table border="1"> <thead> <tr> <th>From</th> <th>To</th> <th>Color</th> <th>Hardness</th> <th>Formation description</th> </tr> </thead> <tbody> <tr><td>0</td><td>4</td><td>blk</td><td>soft</td><td>top soil</td></tr> <tr><td>4</td><td>23</td><td>yel</td><td>soft</td><td>clay</td></tr> <tr><td>23</td><td>26</td><td>red</td><td>soft</td><td>sand</td></tr> <tr><td>26</td><td>178</td><td>gray</td><td>soft</td><td>clay</td></tr> <tr><td>178</td><td>192</td><td>brown</td><td>soft</td><td>rock</td></tr> <tr><td>192</td><td>214</td><td>gray</td><td>hard</td><td>rock</td></tr> <tr><td>214</td><td>223</td><td>tan</td><td>doughy</td><td>rock</td></tr> <tr><td>223</td><td>300</td><td>brown</td><td>hard</td><td>rock</td></tr> </tbody> </table>					From	To	Color	Hardness	Formation description	0	4	blk	soft	top soil	4	23	yel	soft	clay	23	26	red	soft	sand	26	178	gray	soft	clay	178	192	brown	soft	rock	192	214	gray	hard	rock	214	223	tan	doughy	rock	223	300	brown	hard	rock	Casing grouted? (yes/no) ☒ Placement method <u>Haliburton</u> <table border="1"> <thead> <tr> <th>Type</th> <th>Depth Top</th> <th>Depth bottom</th> <th>Amount (vol/wt)</th> </tr> </thead> <tbody> <tr> <td>bentonite</td> <td>0</td> <td>186</td> <td>17 bags</td> </tr> </tbody> </table>					Type	Depth Top	Depth bottom	Amount (vol/wt)	bentonite	0	186	17 bags
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Well developed? (yes/no) ☒ Explain <u>airline</u> (pumped / drilled / bailed) for <u>4</u> hrs at <u>300</u> GPM.					Pump installed? (yes/no) ☒ Date <u>10 / 6 / 03</u> Installer's name <u>Latta</u> Type of pump <u>submersible</u> Depth to intake <u>160</u> ft Pump diameter <u>6"</u> Rated capacity <u>180</u> GPM																																																									
Water information Aquifer: ☐ sand / gravel ☐ limestone ☐ sandstone Main water supply zone from <u>223</u> ft to <u>300</u> ft ☐ seepage well Static water level <u>110</u> ft (below / above) GL: ☐ tape ☐ airline ☐ E-line ☒ estimate Pumping water level <u>140</u> ft below GL: ☐ tape ☐ airline ☐ E-line ☒ estimate At yield of <u>300</u> GPM: ☐ orifice ☐ volumetric ☒ estimate Measurements taken at <u>6:00</u> (AM / PM) ☒ Date <u>12 / 15 / 03</u>					Water quality test? (yes/no) ☒ Date tested <u>12 / 16 / 03</u> Tested by <u>Keystone Labs, Newton, IA</u>																																																									
Remarks (including depth of lost drilling fluids, materials, or tools)					Well use ☐ Domestic ☐ Municipal ☐ Commercial ☐ Livestock ☐ Public supply ☐ Monitoring ☐ Test well ☐ Irrigation ☒ Other <u>church</u> (explain)																																																									
Contractor <u>Latta Well & Pump</u> Address <u>1051 Taylor Ave, Wilton IA 52778</u> Driller <u>K Latta</u> Certification no. <u>40444</u>																																																														