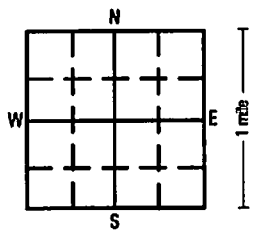


WELL RECORD

49568 Permit No. 99-170-W

Site identification Property Owner <u>City of Fairfax</u> Well Number <u>99-3</u> Address <u>Well #99-3 Fairfax, IA</u> Tenant _____ Well Depth <u>530</u> ft Date completed <u>4/10/99</u>				Drill method ☒ rotary ☐ auger ☐ cable other _____ Hole size <u>13</u> inch from <u>0</u> ft to <u>245</u> ft <u>8</u> inch from <u>245</u> ft to <u>530</u> ft hole size continued _____ inch from _____ ft to _____ ft																																																																				
Location County <u>Linn</u> _____ mi. N and _____ mi. E of intersection of _____ and _____ <u>NE</u> 1/4 of the <u>SW</u> 1/4 of the <u>NW</u> 1/4 of Sec <u>10</u> TWP <u>8N</u> RANG <u>8</u> E W Show exact location of well in section grid with a dot (•). Sketch map of well location on property.  N W E S 200 ft				Record all depth measurements from ground level (GL). Use (+) for above GL measurements. Casing Drive shoe (yes ☒ no ☐) Pitless adapter (yes ☒ no ☐ Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length) <u>8" SCH 40 Steel</u> <u>+2</u> <u>535</u> <u>537</u>																																																																				
☒ upland ☐ hillside ☐ valley Elevation (if known) _____				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>15</td><td>Yellow</td><td></td><td>Clay</td></tr><tr><td>15</td><td>20</td><td></td><td></td><td>SAND</td></tr><tr><td>20</td><td>30</td><td>Blue</td><td></td><td>Clay</td></tr><tr><td>30</td><td>35</td><td></td><td></td><td>SAND</td></tr><tr><td>35</td><td>127</td><td>Blue</td><td></td><td>Clay</td></tr><tr><td>127</td><td>135</td><td>Yellow</td><td></td><td>Limestone</td></tr><tr><td>135</td><td>175</td><td>TAN</td><td></td><td>Limestone</td></tr><tr><td>175</td><td>202</td><td>Yellow Grey</td><td></td><td>Limestone</td></tr><tr><td>202</td><td>221</td><td>Yellow</td><td></td><td>Limestone</td></tr><tr><td>221</td><td>227</td><td></td><td></td><td>Shale</td></tr><tr><td>242</td><td>522</td><td></td><td></td><td>Silurian</td></tr><tr><td>522</td><td>530</td><td></td><td></td><td>Maquoketa shale</td></tr></tbody></table>				From	To	Color	Hardness	Formation description	0	15	Yellow		Clay	15	20			SAND	20	30	Blue		Clay	30	35			SAND	35	127	Blue		Clay	127	135	Yellow		Limestone	135	175	TAN		Limestone	175	202	Yellow Grey		Limestone	202	221	Yellow		Limestone	221	227			Shale	242	522			Silurian	522	530			Maquoketa shale	Casing grouted? (yes ☒ no ☐) Placement method <u>Cement Shoe</u> Type Depth Top Depth bottom Amount (vol/wt) <u>Cement</u> <u>0</u> <u>245</u>			
From	To	Color	Hardness	Formation description																																																																				
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Remarks (including depth of lost drilling fluids, materials, or tools)				Well screen? (yes ☒ no ☐ Diameter Slot size Depth Top Depth Bottom Length Material 0. _____ 0. _____ Bottom capped (yes ☒ no ☐) with _____ Seals / Packers (yes ☒ no ☐) kind _____ depth _____ ft Gravel packed (yes ☒ no ☐) from _____ ft to _____ ft type _____ amount _____																																																																				
Well use ☐ Domestic ☐ Municipal ☐ Commercial ☐ Livestock ☒ Public supply ☐ Monitoring ☐ Test well ☐ Irrigation ☐ Other _____ (explain) _____				Well developed? (yes ☒ no ☐) Explain <u>Air</u> (pumped, airlifted, bailed) for <u>10</u> hrs at _____ GPM.																																																																				
				Pump installed? (yes ☒ no ☐) Date ____/____/____ Installer's name _____ Type of pump _____ Depth to intake _____ ft Pump diameter _____ Rated capacity _____ GPM																																																																				
				Water information Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone Main water-supply zone from <u>240</u> ft to <u>See</u> ft ☐ seepage well Static water level <u>93</u> ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate Pumping water level <u>113</u> ft below GL; ☐ tape ☒ airline ☐ E-line ☐ estimate At yield of <u>400</u> GPM; ☐ orifice ☒ volumetric ☐ estimate Measurements taken at <u>5:00</u> (AM ☐ PM ☒) Date <u>4/12/99</u>																																																																				
				Water quality test? (yes ☒ no ☐) Date tested <u>4/12/99</u> Tested by <u>Hydro Lab</u>																																																																				
				Contractor <u>Gingerich Well</u> Address <u>1321 Locust Ave Kalona IA 52247</u> Driller <u>K. B. Gingerich</u> Certification no. <u>40046</u>																																																																				