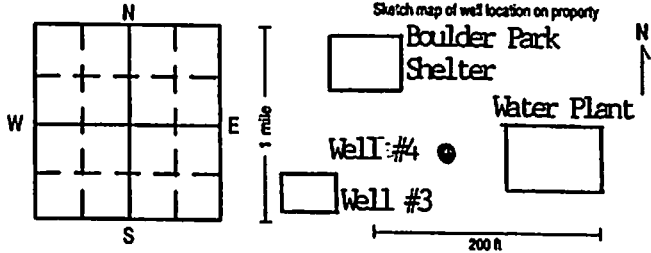


<b>Site Identification</b> Property Owner <u>Nora Springs, Iowa</u> Well Number <u>4</u> Address <u>45 N. Hawkeye</u> Tenant <u>City of Nora Springs</u> Well Depth <u>315</u> ft Date Completed <u>6 / 4 / 08</u>				<b>Drill method</b> <input checked="" type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable other _____ <b>Hole size</b> 17 1/2 inch from <u>0</u> ft to <u>167</u> ft hole size continued _____ inch from _____ ft to _____ ft 9 3/4 inch from <u>167</u> ft to <u>315</u> ft _____ inch from _____ ft to _____ ft Record all depth measurements from ground level (GL). Use (+) for above GL measurements.																																																																																																																			
<b>Location</b> County <u>Floyd</u> _____ mi. N and _____ mi. E of intersection of _____ and _____ SE 1/4 of the NE 1/4 of the SW 1/4 of Sec <u>7</u> TWP <u>96N</u> RNG <u>18</u> E W Show exact location of well in section grid with a dot (•). 				<b>Casing</b> Drive shoe (yes <input type="checkbox"/> no <input checked="" type="checkbox"/> ) Pitless adaptor (yes <input checked="" type="checkbox"/> no <input type="checkbox"/> ) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Size (ID/OD)</th> <th>Type / Wt</th> <th>Depth top</th> <th>Depth bottom</th> <th>Amount (length)</th> </tr> </thead> <tbody> <tr> <td>10.750</td> <td>.365/40.52</td> <td>+2</td> <td>167</td> <td>169</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)	10.750	.365/40.52	+2	167	169																																																																																																						
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<input checked="" type="checkbox"/> upland <input type="checkbox"/> hillside <input type="checkbox"/> valley Elevation (if known) <u>1095</u>				<b>Perforated or slotted casing?</b> (yes / no) Perforated / slotted from _____ ft to _____ ft Perforated / slotted from _____ ft to _____ ft																																																																																																																			
<b>Formation log</b> <table border="1" style="width:100%; border-collapse: collapse;"> <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>3</td><td></td><td></td><td>Top Soil</td></tr> <tr><td>3</td><td>11</td><td>Br.</td><td></td><td>Clay</td></tr> <tr><td>11</td><td>16</td><td>Br.</td><td>Med.</td><td>Limerock</td></tr> <tr><td>16</td><td>26</td><td>Gr.</td><td></td><td>Shale</td></tr> <tr><td>26</td><td>51</td><td>Gr.</td><td>Med.</td><td>Limerock</td></tr> <tr><td>51</td><td>97</td><td>Tan</td><td>Hard</td><td>Limerock</td></tr> <tr><td>97</td><td>102</td><td>Gr.</td><td>Soft</td><td>Limerock w/shale</td></tr> <tr><td>102</td><td>120</td><td>Gr.</td><td>Hard</td><td>Limerock</td></tr> <tr><td>120</td><td>128</td><td>Lt. Br.</td><td></td><td>Limerock w/shale</td></tr> <tr><td>128</td><td>140</td><td>Br.</td><td>Med.</td><td>Limerock</td></tr> <tr><td>140</td><td>155</td><td>Gr.</td><td>Hard</td><td>Limerock</td></tr> <tr><td>155</td><td>157</td><td>Gr.</td><td></td><td>Shale</td></tr> <tr><td>157</td><td>208</td><td>Br.</td><td>Med.</td><td>Limerock</td></tr> <tr><td>208</td><td>220</td><td>Br. &amp; Gr.</td><td></td><td>Limerock</td></tr> <tr><td>220</td><td>225</td><td>Br.</td><td></td><td>Limerock</td></tr> <tr><td>225</td><td>250</td><td>Gr.</td><td>Med.</td><td>Limerock</td></tr> <tr><td>250</td><td>270</td><td>Lt. Br.</td><td>Med.</td><td>Limerock</td></tr> <tr><td>270</td><td>315</td><td>Gr.</td><td>Hard</td><td>Limerock</td></tr> <tr><td>315</td><td></td><td>Br.</td><td></td><td>Limerock &amp; Shale</td></tr> </tbody> </table> use additional sheets as needed				From	To	Color	Hardness	Formation description	0	3			Top Soil	3	11	Br.		Clay	11	16	Br.	Med.	Limerock	16	26	Gr.		Shale	26	51	Gr.	Med.	Limerock	51	97	Tan	Hard	Limerock	97	102	Gr.	Soft	Limerock w/shale	102	120	Gr.	Hard	Limerock	120	128	Lt. Br.		Limerock w/shale	128	140	Br.	Med.	Limerock	140	155	Gr.	Hard	Limerock	155	157	Gr.		Shale	157	208	Br.	Med.	Limerock	208	220	Br. & Gr.		Limerock	220	225	Br.		Limerock	225	250	Gr.	Med.	Limerock	250	270	Lt. Br.	Med.	Limerock	270	315	Gr.	Hard	Limerock	315		Br.		Limerock & Shale	<b>Casing grouted?</b> (yes <input checked="" type="checkbox"/> no <input type="checkbox"/> ) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Depth Top</th> <th>Depth Bottom</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Type 1</td> <td>Surface</td> <td>167</td> <td>160 Bags</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Type	Depth Top	Depth Bottom	Amount	Type 1	Surface	167	160 Bags				
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<b>Well use</b> <input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Livestock <input type="checkbox"/> Public Supply <input type="checkbox"/> Monitoring <input type="checkbox"/> Test Well <input type="checkbox"/> Irrigation <input type="checkbox"/> Other _____ (explain)				Bottom capped (yes <input type="checkbox"/> no <input checked="" type="checkbox"/> ) with _____ Seals / Packers (yes <input type="checkbox"/> no <input checked="" type="checkbox"/> ) kind _____ depth _____ ft Gravel packed (yes <input type="checkbox"/> no <input checked="" type="checkbox"/> ) from _____ ft to _____ ft type _____ amount _____																																																																																																																			
<b>Water Information</b> Aquifer: <input type="checkbox"/> sand/gravel <input checked="" type="checkbox"/> limestone <input type="checkbox"/> sandstone Main water-supply zone from <u>208</u> ft to <u>315</u> ft Final water level (static water level) <u>58</u> ft (below / above) GL. Pumping water level <u>145</u> ft below GL; <input type="checkbox"/> tape <input type="checkbox"/> airline <input checked="" type="checkbox"/> E-line At yield of <u>360</u> Meter GPM; <input type="checkbox"/> orifice <input type="checkbox"/> volumetric <input type="checkbox"/> estimate Date <u>6-17-08</u>				<b>Well developed?</b> (yes <input checked="" type="checkbox"/> no <input type="checkbox"/> ) Explain <u>Airlift Development</u>																																																																																																																			
<b>Water quality test?</b> (yes <input type="checkbox"/> no <input checked="" type="checkbox"/> ) Date tested <u>6 / 17 / 08</u> Tested by <u>Hygenic Laboratory</u> Test results <u>On File</u>				<b>Pump installed?</b> (yes <input checked="" type="checkbox"/> no <input type="checkbox"/> ) Date <u>7 / 15 / 08</u> Installer's name <u>Northway Well &amp; Pump Company</u> Type of pump <u>Submersible</u> Depth to intake <u>175</u> ft Pump diameter <u>6"</u> Rated capacity <u>360</u> GPM																																																																																																																			
<b>Contractor</b> <u>Northway Well &amp; Pump Company</u> Address <u>4895 8th Avenue - Marion, Iowa 52302</u> Driller <u>Frank Caes</u> Certification no. <u>1784</u>																																																																																																																							