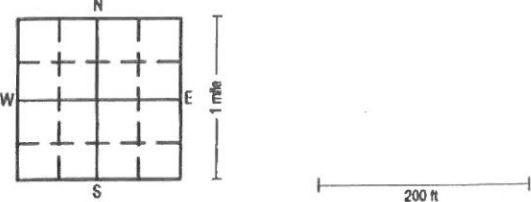


WELL RECORD

83045

Permit No. 2015-406W

Site identification Property Owner <u>City of Ryan</u> Well Number <u>3</u> Address <u>405 Franklin Street</u> Tenant <u>Ryan, IA Water Department</u> Well Depth <u>402</u> ft Date completed <u>11 / 3 / 2015</u>					Drill method ☒ rotary ☐ auger ☐ cable ☐ other _____ Hole size <table style="width:100%;"> <tr> <td style="width:50%;">17.5 inch from <u>0</u> ft to <u>114</u> ft</td> <td style="width:50%;">hole size continued 7.75 inch from <u>201</u> ft to <u>402</u> ft</td> </tr> <tr> <td>13 inch from <u>114</u> ft to <u>201</u> ft</td> <td>_____ inch from _____ ft to _____ ft</td> </tr> </table> Record all depth measurements from ground level (GL). Use (+) for above GL measurements.					17.5 inch from <u>0</u> ft to <u>114</u> ft	hole size continued 7.75 inch from <u>201</u> ft to <u>402</u> ft	13 inch from <u>114</u> ft to <u>201</u> ft	_____ inch from _____ ft to _____ ft																																																																																				
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Location County <u>Delaware</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>NE</u> 1/4 of Sec <u>13</u> TWP <u>87</u> RNG <u>6</u> <u>W</u> Show exact location of well in section grid with a dot (•). Sketch map of well location on property.  ☒ upland ☐ hillside ☐ valley Elevation (if known) _____					Casing Drive shoe (yes/no) _____ Pileless adapter (yes/no) _____ <table style="width:100%;"> <tr> <th>Size (ID/OD)</th> <th>Type / WT</th> <th>Depth top</th> <th>Depth bottom</th> <th>Amount (length)</th> </tr> <tr> <td>14"</td> <td>375/54.57</td> <td>+2</td> <td>114</td> <td>116</td> </tr> <tr> <td>8.625</td> <td>322/28.55</td> <td>+2</td> <td>201</td> <td>203</td> </tr> </table>					Size (ID/OD)	Type / WT	Depth top	Depth bottom	Amount (length)	14"	375/54.57	+2	114	116	8.625	322/28.55	+2	201	203																																																																									
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Remarks (including depth of lost drilling fluids, materials, or tools) PWSID 2864013 use additional sheets as needed					Well developed? (yes/no) ☒ Explain Pressure acidized with 1700 gallons of hydrochloric acid (pumped, airlifted, bailed) for <u>6</u> hrs at <u>200</u> GPM.																																																																																												
Well use ☐ Domestic ☒ Municipal ☐ Commercial ☐ Livestock ☐ Public supply ☐ Monitoring ☐ Test well ☐ Irrigation ☐ Other _____ (explain)					Pump installed? (yes/no) ☒ Date <u>12 / 30 / 2015</u> Installer's name <u>Northway Well & Pump Company</u> Type of pump <u>Submersible</u> Depth to intake <u>220</u> ft Pump diameter <u>6"</u> Rated capacity <u>150</u> GPM																																																																																												
Water information Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone Main water-supply zone from <u>201</u> ft to <u>393</u> ft ☐ seepage well Static water level <u>93</u> ft (below/above) GL; ☐ tape ☒ airline ☐ E-line ☐ estimate Pumping water level <u>180</u> ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate Flow Meter At yield of <u>175</u> GPM; ☐ orifice ☐ volumetric ☐ estimate Measurements taken at _____ (AM/PM) Date <u>12 / 29 / 15</u>					Water quality test? (yes/no) ☒ Date tested <u>11 / 13 / 2015</u> Tested by <u>Hygenic Laboratory</u>																																																																																												
Contractor <u>Northway Well & Pump Company</u> Address <u>4895 8th Avenue - Marion, IA 52302</u> Driller <u>Mark Evans</u> Certification no. <u>2392</u>																																																																																																	