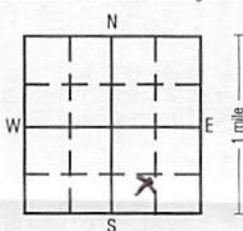


<b>Site identification</b> Property Owner <u>Rock Valley RWD</u> Well Number <u>11</u> Address <u>719 Main St - Rock Valley, Iowa</u> Tenant <u>51247</u> Well Depth <u>52'9"</u> ft Date completed <u>11/2/12</u>					<b>Drill method</b> <input type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable other <u>Bucket</u> <sup>False casing</sup>																													
<b>Location</b> County <u>Sioux</u> <u>1/2</u> mi. <sup>N</sup> and <u>1/4</u> mi. <sup>E</sup> of intersection of <u>K18</u> and <u>B30</u> <u>NW</u> 1/4 of the <u>SW</u> 1/4 of the <u>SE</u> 1/4 of Sec <u>7</u> TWP <u>96</u> <sup>N</sup> <u>47</u> <sup>E</sup> Show exact location of well in section grid with a dot (•). Sketch map of well location on property. 					<b>Hole size</b> 20 inch from 0 ft to <u>59'9"</u> hole size continued ____ inch from ____ ft to ____ ft ____ inch from ____ ft to ____ ft																													
<b>Formation log</b> <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>2</td><td></td><td></td><td>Sandy Topsoil</td></tr><tr><td>2</td><td>8</td><td></td><td></td><td>Sandy Clay</td></tr><tr><td>8</td><td>23</td><td></td><td></td><td>Dirty Gravel</td></tr><tr><td>23</td><td>52'9"</td><td>Grey</td><td></td><td>Gravel w/ Cobble</td></tr></tbody></table>					From	To	Color	Hardness	Formation description	0	2			Sandy Topsoil	2	8			Sandy Clay	8	23			Dirty Gravel	23	52'9"	Grey		Gravel w/ Cobble	<b>Casing</b> Drive shoe <u>yes</u> / no Pitless adapter <u>yes</u> / no Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length) <u>12"</u> <u>50 pcf</u> <u>5'9"</u> <u>42'9"</u> <u>37</u>				
From	To	Color	Hardness	Formation description																														
0	2			Sandy Topsoil																														
2	8			Sandy Clay																														
8	23			Dirty Gravel																														
23	52'9"	Grey		Gravel w/ Cobble																														
<b>Remarks</b> (including depth of lost drilling fluids, materials, or tools)					<b>Perforated or slotted casing?</b> (yes/no) Perforated / slotted from ____ ft to ____ ft Perforated / slotted from ____ ft to ____ ft																													
<b>Well use</b> <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Commercial <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Public supply <input type="checkbox"/> Monitoring <input type="checkbox"/> Test well <input type="checkbox"/> Irrigation <input type="checkbox"/> Other _____ (explain)					<b>Casing grouted?</b> (yes/no) Placement method <u>Tremie</u> Type Depth Top Depth bottom Amount (vol/wt) <u>Bentonite</u> <u>15</u> <u>37'</u> <u>11 Bags</u> <u>Grout</u> <u>6</u> <u>15</u> <u>9'</u>																													
<b>Water information</b> Aquifer: <input checked="" type="checkbox"/> sand / gravel <input type="checkbox"/> limestone <input type="checkbox"/> sandstone Main water-supply zone from <u>22</u> ft to <u>52'9"</u> ft <input type="checkbox"/> seepage well Static water level <u>22</u> ft (below / above) GL; <input checked="" type="checkbox"/> tape <input type="checkbox"/> airline <input type="checkbox"/> E-line <input type="checkbox"/> estimate Pumping water level ____ ft below GL; <input type="checkbox"/> tape <input type="checkbox"/> airline <input type="checkbox"/> E-line <input type="checkbox"/> estimate At yield of <u>550</u> GPM; <input checked="" type="checkbox"/> orifice <input type="checkbox"/> volumetric <input type="checkbox"/> estimate Measurements taken at <u>2:00</u> (AM/PM) Date <u>9/5/12</u>					<b>Well screen?</b> (yes/no) Diameter Slot size Depth Top Depth Bottom Length Material <u>12</u> <u>0.080</u> <u>42'9"</u> <u>52'9"</u> <u>10'</u> <u>SS</u> <u>0.000</u>																													
<b>Water quality test?</b> (yes/no) Date tested <u>9/5/12</u> Tested by <u>Rock Valley RWD</u>					<b>Bottom capped</b> (yes/no) with <u>SS Plate</u> Seals / Packers (yes/no) kind ____ depth ____ ft Gravel packed (yes/no) from <u>52'9"</u> ft to <u>52'9"</u> ft <u>Muskrat</u> type <u>14x18</u> amount <u>15'</u>																													
<b>Pump installed?</b> (yes/no) Date ____ / ____ / ____ Installer's name ____ Type of pump ____ Depth to intake ____ ft Pump diameter ____ Rated capacity ____ GPM					<b>Well developed?</b> (yes/no) Explain <u>Sub-Flushed &amp; pumped</u> (pumped, airlifted, bailed) for <u>2</u> hrs at <u>550</u> GPM.																													