

WELL RECORD

Site identification Property Owner <u>City of Adel</u> Well Number <u>#7</u> Address <u>301 S 10th St.</u> Tenant <u>South East Well In Well Field</u> Well Depth <u>44</u> ft Date completed ___/___/___				Drill method <input checked="" type="checkbox"/> rotary <input type="checkbox"/> auger <input type="checkbox"/> cable other <u>Reverse</u>																																						
Location County <u>Dallas</u> ___ mi. ^N / _S and ___ mi. ^E / _W of intersection of ___ and ___ ___ 1/4 of the ___ 1/4 of the ___ 1/4 of Sec ___ TWP ___ RNG ___ E Show exact location of well in section grid with a dot (•). Sketch map of well location on property.				Hole size 48 inch from 0 ft to 5 ft hole size continued ___ inch from ___ ft to ___ ft 42 inch from 5 ft to 44ft ___ inch from ___ ft to ___ ft																																						
Elevation (if known) <u>881.02</u> <input type="checkbox"/> upland <input type="checkbox"/> hillside <input checked="" type="checkbox"/> valley				Record all depth measurements from ground level (GL). Use (+) for above GL measurements. Casing Drive shoe (y/n) ___ Pitless adapter (y/n) ___ Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length) 16" .375 SS 62.58 +11' 34' 45' _____ _____ _____ _____ _____ _____ _____ _____ _____ _____																																						
Formation log <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>5</td> <td>Br</td> <td></td> <td>Fine sand w/silt</td> </tr> <tr> <td>5</td> <td>14</td> <td>Br</td> <td></td> <td>Fine sand</td> </tr> <tr> <td>14</td> <td>36</td> <td>Gray</td> <td></td> <td>Sand, gravel, cobbles</td> </tr> <tr> <td>36</td> <td>37</td> <td>Gray</td> <td></td> <td>Clay</td> </tr> <tr> <td>37</td> <td>44</td> <td>Gray</td> <td></td> <td>Fine to coarse gravel, Many Boulders</td> </tr> <tr> <td>44</td> <td>46</td> <td>Gray</td> <td></td> <td>Shale</td> </tr> </tbody> </table>				From	To	Color	Hardness	Formation description	0	5	Br		Fine sand w/silt	5	14	Br		Fine sand	14	36	Gray		Sand, gravel, cobbles	36	37	Gray		Clay	37	44	Gray		Fine to coarse gravel, Many Boulders	44	46	Gray		Shale	Perforated or slotted casing? (yes/no) Perforated / slotted from ___ ft to ___ ft Perforated / slotted from ___ ft to ___ ft			
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use additional sheets as needed				Casing grouted? (yes/no) Placement method <u>Pumped</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Depth Top</th> <th>Depth bottom</th> <th>Amount (vol/wt)</th> </tr> </thead> <tbody> <tr> <td>C-150 Neat</td> <td>+9'</td> <td>25'</td> <td>220-94lbs Sacks</td> </tr> </tbody> </table>				Type	Depth Top	Depth bottom	Amount (vol/wt)	C-150 Neat	+9'	25'	220-94lbs Sacks																											
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Remarks (including depth of lost drilling fluids, materials, or tools)				Well screen? (yes/no) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Diameter</th> <th>Slot size</th> <th>Depth Top</th> <th>Depth Bottom</th> <th>Length</th> <th>Material</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>0.080</td> <td>34'</td> <td>44'</td> <td>10</td> <td>SS</td> </tr> <tr> <td></td> <td>0. ___</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Bottom capped (yes/no) with <u>SS Plate</u> Seals / Packers (yes/no) kind <u>Bentonite</u> depth <u>25 to 28'</u> ft Gravel packed (yes/no) from <u>28'</u> ft to <u>44'</u> ft type <u>#3 Northern</u> amount <u>240 Cu. Ft.</u>				Diameter	Slot size	Depth Top	Depth Bottom	Length	Material	16	0.080	34'	44'	10	SS		0. ___																					
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Well use <input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Commercial <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)				Well developed? (yes/no) Explain <u>Surge Blocked and Pumped</u> (pumped, airlifted, bailed) for <u>16</u> hrs at <u>800</u> GPM.																																						
Water information Aquifer: <input checked="" type="checkbox"/> sand / gravel <input type="checkbox"/> limestone <input type="checkbox"/> sandstone Main water-supply zone from <u>14</u> ft to <u>44</u> ft <input type="checkbox"/> seepage well Static water level <u>12.50</u> ft (below GL) GL; <input type="checkbox"/> tape <input type="checkbox"/> airline <input checked="" type="checkbox"/> E-line <input type="checkbox"/> estimate Pumping water level <u>31.65</u> ft below GL; <input type="checkbox"/> tape <input type="checkbox"/> airline <input checked="" type="checkbox"/> E-line <input type="checkbox"/> estimate At yield of <u>790</u> GPM; <input checked="" type="checkbox"/> orifice <input type="checkbox"/> volumetric <input type="checkbox"/> estimate Measurements taken at <u>8:00</u> (AM / PM) Date <u>07 / 17 / 19</u>				Pump installed? (yes/no) Date ___/___/___ Installer's name _____ Type of pump _____ Depth to intake _____ ft Pump diameter _____ Rated capacity _____ GPM																																						
Water quality test? (yes/no) Date tested <u>07 / 17 / 19</u> Tested by <u>UHL</u>				Contractor <u>Northway Well & Pump Co.</u> Address <u>100 N 6th St. Waukee, IA</u> Driller <u>Mark Evans</u> Certification no. <u>2392</u>																																						