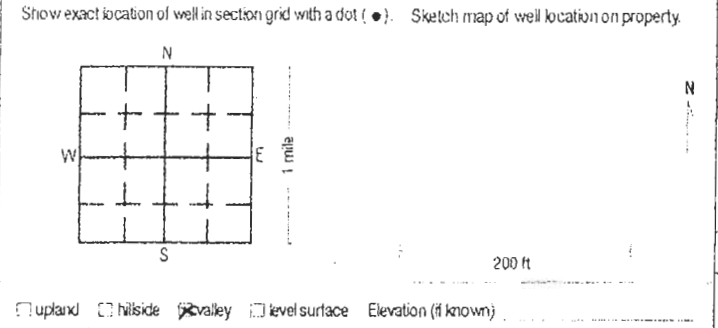


**Site identification** Wapello Rural Well # 6  
 Property Owner Water Association, Inc. Other ID N/A  
 Address 534 Shawl Ave., Ottumwa, Iowa 52501  
 Tenant N/A  
 Well Depth 55 ft Date completed 10 / 20 / 04

**Location** County Keokuk  
 \_\_\_\_\_ mi. N and \_\_\_\_\_ mi. E of intersection of \_\_\_\_\_ and \_\_\_\_\_  
 \_\_\_\_\_ 1/4 of the SE 1/4 of the SW 1/4 of Sec. 27 TWP 75N RNG 13W W

GPS Coordinates (NAD83 datum only) decimal degrees:  
 \_\_\_\_\_ N. Latitude \_\_\_\_\_ W. Longitude.



**Formation log**

From	To	Color	Hardness	Formation description
0	15	Blue/Brown		Clay
15	21			Very fine sand
21	24			Fine sand
24	27			Medium sand
27	31			Medium sand, gravel, and cobbles
31	35			Coarse sand and gravel
35	38			Coarse sand and medium gravel
38	46			Uniform coarse sand
46	54			Coarse gravel and medium sand and a few large cobbles
54	55			Limestone

use additional sheets as needed

**Remarks** (including depth of lost drilling fluids, materials, or tools)  
 \_\_\_\_\_

**Well use**

<input type="checkbox"/> Domestic	<input type="checkbox"/> Heat pump	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input checked="" type="checkbox"/> Public supply	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Irrigation	

**Drill method**  rotary  auger  cable  other Reverse Circ. Rotary  
**Hole size** 42 inch from 0 ft to 55 ft hole size continued \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ 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>24" 0.0</u>	<u>.500" wall</u>	<u>+2</u>	<u>40</u>	<u>42</u>
<u>Pitless Adapter</u>		<u>+11</u>	<u>+2</u>	<u>(In built-up earth berm)</u>

**Perforated or slotted casing?** (yes  no )  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Casing grouted?** (yes  no ) Placement method Tremie pipe

Type	Depth top	Depth bottom	Amount (vol/wt)
<u>Neat cement</u>	<u>0</u>	<u>28</u>	<u>11.4 yards</u>
<u>Bentonite seal</u>	<u>28</u>	<u>30</u>	<u>750 lbs.</u>

**Well screen?** (yes  no )

Diameter	Slot size	Depth top	Depth bottom	Length	Material
<u>24"</u>	<u>0.080</u>	<u>40</u>	<u>55</u>	<u>15</u>	<u>"304 Stainless Steel"</u>
<u>0</u>	<u>0</u>				

Bottom capped (yes  no ) with Stainless Steel Plate  
 Seals / Packers (yes  no ) kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes  no ) from 30 ft to 55 ft  
 type #2 amount 12 tons

**Well developed?** (yes  no )  
 Explain Surged & bailed for 3 hours; test pumped  
 (pumped, airlifted, bailed) for \_\_\_\_\_ hrs at \_\_\_\_\_ GPM

**Pump installed?** (yes  no ) Date 12 / 29 / 04  
 Installer's name Cahoy Pump Service  
 Type of pump Submersible Depth to intake 41 ft  
 Pump diameter 9" Rated capacity 425 GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from 35 ft to 55 ft  seepage well  
 Static water level 8 ft (below / above) GL:  tape  airline  SE-line  estimate  
 Pumping water level 20 ft below GL:  tape  airline  SE-line  estimate  
 At yield of 450 GPM:  orifice  volumetric  estimate for 8 hours  
 Measurements taken at 3:30 (AM/PM) Date 11 / 17 / 04

**Water quality test?** (yes  no ) Date tested 11 / 17 / 04  
 Tested by Cahoy Pump Service

Contractor Cahoy Pump Service  
 Address 411 E. Main St., Frederickburg, Iowa 50630  
 Driller Darin Cahoy Certification no. 1786