

**Site identification**  
 Property Owner Xenia Rural Water Well Number 3  
 Address 3397-330<sup>th</sup> St. / Dayton, IA  
 Tenant Xenia Rural Water Assoc.  
 Well Depth 80 ft Date completed 9/24/03

**Location** County Webster  
 \_\_\_\_\_ mi. <sup>N</sup> and \_\_\_\_\_ mi. <sup>E</sup> of intersection of \_\_\_\_\_ and \_\_\_\_\_  
NE 1/4 of the NW 1/4 of the Sec. 17 of Sec. 36 TWP 87N R9G 27 E  
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

upland  hillside  valley Elevation (if known) \_\_\_\_\_

**Formation log**

From	To	Color	Hardness	Formation description
0'	15'	Brn		Brown Clay
15'	22'			" " + sand
22'	80'			B. Sand + Gravel
use additional sheets as needed				

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

**Well use**

<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)

**Drill method**  rotary  auger  cable other Bucket

**Hole size**  
 24 inch from 0 ft to 80 ft hole size continued  
 \_\_\_\_\_ 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)
16" 00	.375"	+2'	-50'	52'

**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

Type	Depth Top	Depth bottom	Amount (vol/wt)
Neat cement	4'	45'	79 sacks

**Well screen?** (yes/no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.060	50'	75'	25'	SS
0. _____					

Bottom capped (yes/no) with SS plate  
 Seals / Packers (yes/no) kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes/no) from 80' ft to 45' ft  
 type #1 amount \_\_\_\_\_

**Well developed?** (yes/no)  
 Explain Surged & bailed  
 (pumped, airlifted, bailed) for \_\_\_\_\_ hrs at \_\_\_\_\_ GPM.

**Pump installed?** (yes/no) Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 Installer's name \_\_\_\_\_  
 Type of pump \_\_\_\_\_ Depth to intake \_\_\_\_\_ ft  
 Pump diameter \_\_\_\_\_ Rated capacity \_\_\_\_\_ GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from 27 ft to 80 ft  seepage well  
 Static water level 22' ft (below / above) GL;  tape  airline  E-line  estimate  
 Pumping water level 33' 985 ft below GL;  tape  airline  E-line  estimate  
 At yield of 985 GPM;  orifice  volumetric  estimate  
 Measurements taken at 8:20 (AM) PM Date 10/7/03

**Water quality test?** (yes/no) Date tested \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 Tested by \_\_\_\_\_

Contractor Cahoy Pump Service  
 Address Fredericksburg, IA 50630  
 Driller D. Cahoy Certification no. 40619