Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

WELL RECORD

Permit No. 58055

Site identification

Property Owner Xenia Rural Water Well Number 4
Address 3397 - 330th St. / Dayton, IA
Tenant Xenia Rural Water Assc.
Well Depth 72 ft Date completed 9 / 25 / 03

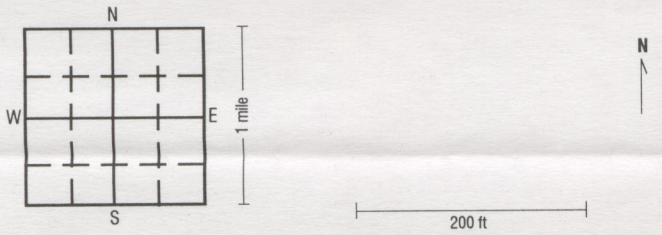
Location

County Webster

____ mi. N/S and ____ mi. E/W of intersection of _____ and _____

NE 1/4 of the NW 1/4 of the Sec 1 ~~1/4 of~~ Sec 36 TWP 87N RNG 27 E/W
Government Lot 1

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'			Brown Clay
15'	22'			Brown Clay & Sand
22'	50'			Brown Sand
50'	60'			Gray Gravel
60	72'			Gray Sand

use additional sheets as needed

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

Well use

☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock ☒ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____ (explain)

Drill method

☐ rotary ☐ auger ☐ cable other _____

Hole size

24 inch from 0 ft to 72 ft
____ inch from ____ ft to ____ 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" OD	.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	0'	45'	87 sacks

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.100	50	70'	20'	SS
	0.___				

Bottom capped (yes / no) with SS plate
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from 72' ft to 45' ft
type #3 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 50 ft to 72 ft ☐ seepage well
Static water level 18 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 43 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 943 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at 7 : 30 (AM / PM) Date 10 / 6 / 03

Water quality test? (yes / no) Date tested ____ / ____ / ____

Tested by _____

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

white copy – **Iowa DNR, Geological Survey Bureau** blue copy – **Well Contractor** pink copy – **Customer** yellow copy – **County Health Officer**