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

WELL RECORD 64066

Permit No. _____

Site identification

Property Owner Xenia RWD Well Number 5

Address North Water Treat HWY D54 N. of Stratford

Tenant _____

Well Depth 75, ft Date completed 01 / 18 / 06

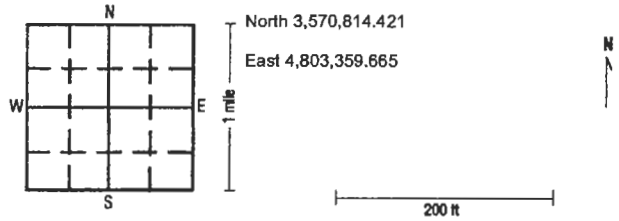
Location

County Webster

____ 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/W

Show exact location of well in section grid with a dot (●). Sketch map of well location on property.



☐ upland ☐ hillside ☒ valley Elevation (if known) 931.62

Formation log

From	To	Color	Hardness	Formation description
0	3	Br		Sandy Clay
3	9	Br		Fine Sand
9	48	Br		Med. Sand W/Clay Streaks
48	75	Gr		Sand & Gravel Med. to Course
75	76	Gr		Clay
				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 Revers

Hole size

24 inch from 0 ft to 75 ft

____ inch from ____ ft to ____ 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	Steel 62.58	+12'	50'	62'

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)
C150	0	43'	3.25 yards

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.100	50'	75'	25'	SS
	0.___				

Bottom capped (yes / no) with 1/4" ss plate

Seals / Packers (yes / no) kind Bentonite depth 43' to 45' ft

Gravel packed (yes / no) from 45' ft to 76' ft

type Northern #3 amount 10 tons

Well developed? (yes / no)

Explain Surge Block, bailed and pumped

(pumped, airlifted, bailed) for 16 hrs at 1100 GPM.

Pump installed? (yes / no)

Date 3 / 1 / 06

Installer's name Don Murdhy

Type of pump Submersible Depth to intake 65 ft

Pump diameter 10" Rated capacity 800 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 48 ft to 75 ft ☐ seepage well

Static water level 17 ft (below / above) GL; ☐ tape ☒ airline ☐ E-line ☐ estimate

Pumping water level 25 ft below GL; ☐ tape ☒ airline ☐ E-line ☐ estimate

At yield of 1100 GPM; ☐ orifice ☒ volumetric ☐ estimate

Measurements taken at 11 : 00 (AM / PM) Date 1 / 19 / 06

Water quality test? (yes / no)

Date tested ____ / ____ / ____

Tested by BY XENIA RWD

Contractor Northway Well & Pump Co.

Address 100 N. 6 th St. Waukee, IA 50263

Driller Don Murdhy Certification no. 4178

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