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

WELL RECORD

57960

Permit No. 2001-462W

Site identification

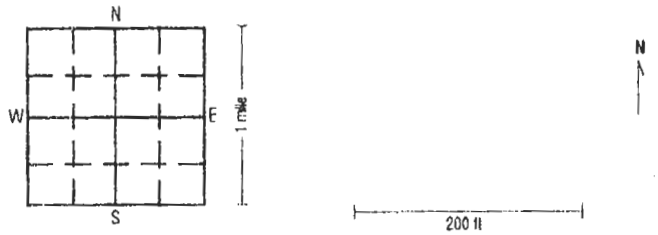
Property Owner: City of Huxley Well Number: 5
Address: N.E. of Cambridge, IA
Tenant: City of Huxley, IA
Well Depth: 83 ft Date completed: 8/26/02

Location

County: Story

1 mi. N (X) and ____ mi. E (W) of intersection of 315th and 580th
N 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 17 TWP 82 RNG 23 (X) 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): 857.5

Formation log

From	To	Color	Hardness	Formation description
0	15	Bl		Fill & top soil
15	53	Br		Sand & Gravel
53	83	Br		Sa. Gr. & Boulder
83	98	Blue		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 Rev. Rot

Hole size

48 inch from 0 ft to 85 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	A53 82.77 wt	+18"	53	54.5'

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 Cem.	11'	31'	9 yards

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.070	53	83	30	S.S
	0.___				

Bottom capped (yes / no) with S.S. Plate
Seals / Packers (yes / no) kind Bentonite depth 31-33 ft
Gravel packed (yes / no) from 33 ft to 84 ft
Northern type #3 amount 40 ton

Well developed? (yes / no)

Explain: Bailed. Mech. surge block
(pumped, ~~airlifted, bailed~~) for 16 hrs at 1030 GPM.

Pump installed? (yes / no)

Date 9/25/02
Installer's name: Don Murphy
Type of pump: Submersible Depth to intake: 50 ft
Pump diameter: 11" Rated capacity: 700 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 15 ft to 83 ft ☐ seepage well
Static water level 15 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 24 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 1050 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at 8:00 (AM / PM) Date 8/22/02

Water quality test? (yes / no)

Date tested 8/22/02
Tested by: University of Iowa Hygienic Lab

Contractor: Northway Well & Pump Co.
Address: 100 N. 6th st. Waukee, Ia.
Driller: Don Murphy Certification no. 40187

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