B8

#35741

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

WELL RECORD

Site Identification

Property Owner Woodbury County Conservation Well Number 1

Address RR 3 Sioux City Ia

Tenant Nature Center

Well Depth 289 ft. Date Completed 5 / 28 / 94

Location

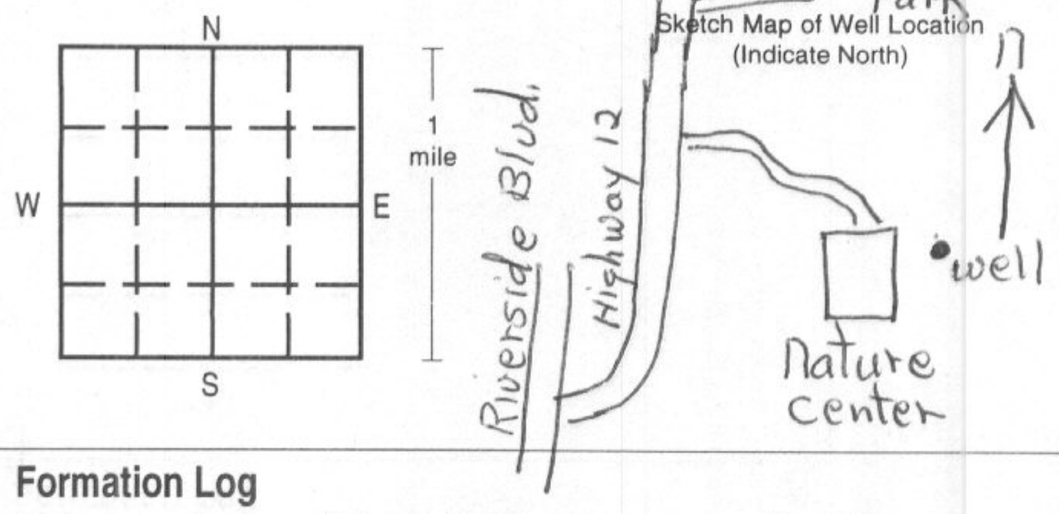
County Woodbury

Well is 2 mi. (N) S and 1/4 mi. (E) W of intersection of Riverside Blvd and Highway #12

Sioux City 88-89N 47-48 W

____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 (●).



Well Use

☐ Domestic ☐ Municipal ☐ Industrial
☐ Livestock ☒ Public Supply ☐ Monitoring
☐ Test Well ☐ Irrigation ☐ Other ____

Measuring Point (MP)

All depth measurements are made from:

☒ Ground Level ☐ KB/other ____ ft. (above/below) ground level

Hole Size

12 inch from 0 ft. to 20 ft.
9 inch from 20 ft. to 292 ft.

continued
____ inch from ____ ft. to ____ ft.
____ inch from ____ ft. to ____ ft.

Casing

(ID) OD) ? Drive shoe? (yes (no) Pitless adaptor? (yes) no)

Size	Type / Wt.	Depth Top	Depth Bottom	Amount (length)
5"	PVC 250#	0	289'	289'

Perforated or Slotted Casing?

(yes) no

Perforated / Slotted from ____ ft. to ____ ft.

Perforated / Slotted from ____ ft. to ____ ft.

Casing Grouted?

(yes) no)

☐ Neat Cement ☒ Bentonite ☐ other ____

from 7 ft. to 244' ft.

from ____ ft. to ____ ft.

Well Screen?

(yes) no)

Diameter	Slot size	Depth Top	Depth Bottom	Amount	Type / Mfg.
5" I.D.	30	259	289	30'	Johnson P.V.C.

Gravel packed? (yes) no) from 244 ft. to 289 ft.

Bottom capped? (yes) no) with 5" P.V.C. cap

Seals / Packers? (yes / no) kind ____ depth ____ ft.

Water Information

Main water supply zone from 258 ft. to 289 ft.

Supply zone rock type (sand/gravel, limestone, sandstone) ____

Final water head (static water level) 127 ft. (below / above) the MP

Pumping water level ____ ft. below MP at yield of ____ GPM

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

Tested by ____

Parameters tested for : ____

Test results ____

Pump

Pump installed? (yes (no) Date ____ / ____ / ____

Type of pump ____ Manufacturer's name ____

Depth to intake ____ ft. Tail pipe? (yes / no) length ____ ft.

Pump diameter ____ inches Rated capacity ____ GPM

Contractor's name Marty Soole well Registration no. 40001

Address 1989 County Home Rd Bronson Ia

Driller's name Marty Drill method (rotary) / cable) ____

Formation Log

From	To	Color	Hardness	Description
0	4	black	soft	Top Soil
4	18	yellow	hard	clay
18	25	gray	hard	clay
25	38	black	hard	Shale
38	49	black	soft	shale
49	56	gray	soft	shale
56	63	gray	hard	stks Limestone + shale
63	77	gray	soft	stks coal + shale
77	80	gray	hard	stks Limestone + shale
80	87	gray	hard	Shale
87	88	white	hard	Limestone
88	96	gray	hard	Shale
96	97	green	hard	Shale
97	98	white	hard	Limestone
98	101	gray	hard	Shale
101	102	white	hard	Limestone
102	115	gray	hard	Shale
115	116	white	hard	Limestone
116	118	gray	hard	Shale
118	126	gray	hard	Shale
126	129	black	hard	Shale

use second sheet if needed

Remarks (Topographic position, elevation, development, disinfection, water quality, etc.)

Log on second Sheet

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

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WELL RECORD

Site Identification

Property Owner _____ Well Number _____

Address _____

Tenant _____

Well Depth _____ ft. Date Completed ____ / ____ / ____

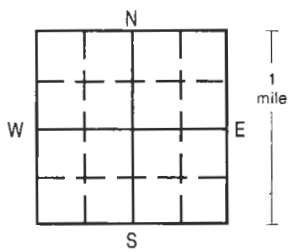
Location

County _____

Well is _____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 (Indicate North)

Formation Log

From	To	Color	Hardness	Description
129	135	L.gray	hard	Shale
135	142	brown	hard	Slate - Lost circulation
142	157	gray	hard	Shale
157	173	white	hard	Shale
173	181	gray	hard	stks Limestone + shale
181	186	white	hard	Shale
186	191	black	hard	Shale
191	194	gray	hard	Shale
194	204	red	hard	Shale
204	216	gray	hard	Shale
216	218	white	hard	Sandstone
218	230	gray	hard	Shale
230	236	gray	hard	stks Sandstone + Shale
236	244	white	soft	Sandstone
244	254	white	hard	Sandstone
254	258	white	soft	stks coal + sandstone
258	292	white	hard	coarse Sandstone
292		gray		Shale.

use second sheet if needed

Remarks (Topographic position, elevation, development, disinfection, water quality, etc.)

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☐ Test Well ☐ Irrigation ☐ Other _____

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All depth measurements are made from:

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Hole Size

____ inch from __0__ft. to _____ft.
____ inch from _____ft. to _____ft.

continued

____ inch from _____ft. to _____ft.
____ inch from _____ft. to _____ft.

Casing

(ID / OD) ? Drive shoe? (yes / no) Pitless adaptor? (yes / no)

Size	Type / Wt.	Depth Top	Depth Bottom	Amount (length)

Perforated or Slotted Casing? (yes / no)

Perforated / Slotted from _____ft. to _____ft.

Perforated / Slotted from _____ft. to _____ft.

Casing Grouted? (yes / no)

☐ Neat Cement ☐ Bentonite ☐ other _____

from _____ft. to _____ft.

from _____ft. to _____ft.

Well Screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Amount	Type / Mfg.

Gravel packed? (yes / no) from _____ft. to _____ft.

Bottom capped? (yes / no) with _____

Seals / Packers? (yes / no) kind _____ depth _____ft.

Water Information

Main water supply zone from _____ft. to _____ft.

Supply zone rock type (sand/gravel, limestone, sandstone) _____

Final water head (static water level) _____ ft. (below / above) the MP

Pumping water level _____ ft. below MP at yield of _____GPM

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

Tested by _____

Parameters tested for : _____

Test results _____

Pump

Pump installed? (yes / no) Date ____ / ____ / ____

Type of pump _____ Manufacturer's name _____

Depth to intake _____ft. Tail pipe? (yes / no) length _____ft.

Pump diameter _____inches Rated capacity _____GPM

Contractor's name _____ Registration no. _____

Address _____

Driller's name _____ Drill method (rotary / cable) _____

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