Central Iowa Rural Water Assoc. -61479

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

WELL RECORD [redacted] Permit No. _____

Site identification

Property Owner CIRW Well Number 1

Address 3801 SE Beltline Rd.

~~Tenant~~ Newton, Iowa

Well Depth 220 ft Date Completed 12 / 31 / 04

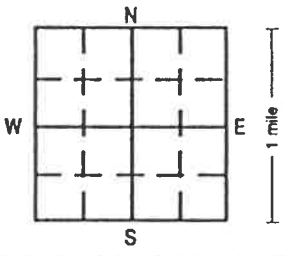
Location

County Bremer

____mi. N/S and ____mi. E/W of intersection of _____ and _____

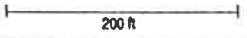
____1/4 of the ____1/4 of the ____1/4 of Sec ____ TWP ____ RNG ____ E/W

Show exact location of well in section grid with a dot (●).



Sketch map of well location on property

N. 42.71408°
W. 092.51398
GPS



☐ upland ☒ hillside ☐ valley Elevation (if known) 942

Formation log

From	To	Color	Hardness	Formation description
0	4			Topsoil
4	48	gr &	brown	Clay
48	50	gr		Limestone
50	62	br		Limestone
62	80	br &	gray	Limestone/Shale Brks
80	93	br		Limestone
93	94			Crevice
94	99	br	soft	Limestone
99	102	br		Linestone w/sand
102	110	br		Broken Limestone
110	116	br	hard	Limestone
116	125	br	soft	Limestone W/sand
125	155	br	hard	Limestone
155	160	br	soft	Broken Limestone
160	175	br	soft	Limestone
175	180			Crevice
180	195	br	hard	Limestone
195	220	br	soft	Limestone

use additional sheets as needed

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

Well use

☐ Domestic ☐ Municipal ☐ Industrial
☐ Livestock ☑ Public Supply ☐ Monitoring
☐ Test Well ☐ Irrigation ☐ Other _____ (explain)

Drill method

☐ rotary ☐ auger ☒ cable other _____

Hole size

24 inch from 0 ft to 123 ft
17½ inch from 123 ft to 220 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 adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
24	.500/125.5	+1	46	46
18	.500/93.45	+2	123	125

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Type	Depth Top	Depth Bottom	Amount
Cement	GL	125	467 Bags
& Bentonite			

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain Air Lift Development

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 125 ft to 225 ft

Final water level (static water level) 50 ft (below / above) GL.

Pumping water level 75 ft below GL; ☐ tape ☐ airline ☒ E-line

At yield of 2500 GPM; ☐ orifice ☐ volumetric ☐ estimate Date 1-27-05

Water quality test? (yes / no) Date tested 1 / 27 / 05

Tested by Keystone Lab

Test results _____

Contractor Northway Well and Pump Co.

Address 4895 8th Ave. Marion, Iowa

Driller Frank Caes Certification no. 40364

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