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

WELL RECORD 58045

Permit No. 2003-423W

Site identification

Property Owner City of Carson Well Number ____
Address 127 Broadway PO Box 128
Tenant Carson, IA 51525
Well Depth 155.5 ft Date completed 09/16/03

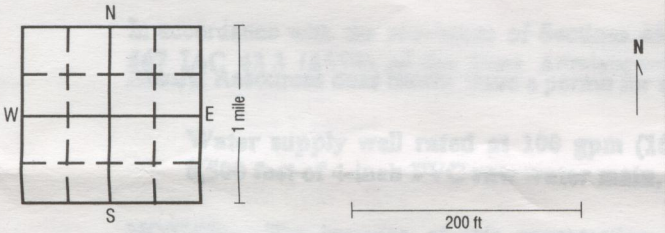
Location

County Pottawattamie

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

____ 1/4 of the SE 1/4 of the SE 1/4 of Sec 2 TWP 74 RNG 40 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) ____

Formation log

From	To	Color	Hardness	Formation description
0	5			No Sample
5	20	Brn		Silt & clay
20	46	Brn		Sandy clay
46	55	Brn		Sandy clay
55	56	Brn		Sandy clay & boulders
56	70	Brn		Sandy clay
70	86	gray		Sandy clay
86	88	gray		Sandy clay
88	90			Sandy clay w/ olive mottling
90	95	olive		Sandy Clay w/ gray mottling
95	107	gray		Sandy clay
107	117	gray		Sandy clay
117	127	gray		Sandy clay
127	137	gray		Sandy clay
137	142.5	gray		Sandy clay
142.5	145.5	gray	VF-F	Sand & clay
145	150	gray	F-Md	Sand
150	155	gray		Sand & gravel
155	155.5	gray		limestone

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 155.5 ft

hole size continued

____ inch from ____ ft to ____ ft

____ 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)
12/12 3/4	Steel	+2	145	147

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)
Hole plug	100	110	1700 lbs
"DF" Grout	35	100	2100 lbs
Cement Grout	10	35	4 yds
DF" Grout	2	10	300 lbs

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12	0.030	145	155	10	SS
	0.___				

Bottom capped (yes / no) with SS plate

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

Gravel packed (yes / no) from 110 ft to 151 ft

type Bpack amount 3.6yd.

Well developed? (yes / no)

Explain By Mid-America Drilling Corp.

(pumped, airlifted, bailed) for 24 hrs at 100 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 142.5 ft to 155 ft ☐ seepage well

Static water level 117.3" ft (below / above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

Pumping water level 146.2 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

At yield of 100 GPM; ☐ orifice ☒ volumetric ☐ estimate

Measurements taken at ____:____ (AM / PM) Date 09/24/03

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

Tested by ____

Contractor Rieschick Drilling Company

Address RR1 Box 200, Falls City, NE

Driller Rory Rieschick Certification no. 40208

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