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

WELL RECORD 44992

Permit No. _____

Site identification

Property Owner: CITY OF KALONA Well Number: 97-1

Address: 511 C AVE, BOX 1213, KALONA, IA 52247

Tenant: _____

Well Depth: 62.3 ft Date Completed: 06 / 27 / 97

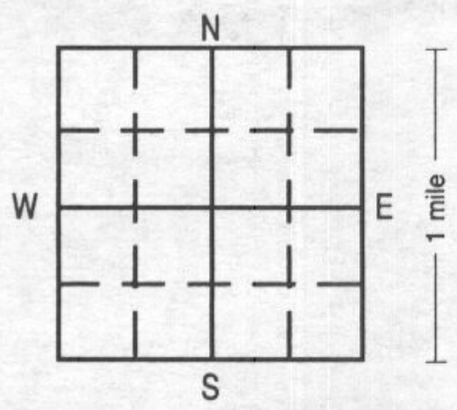
Location

County: WASHINGTON

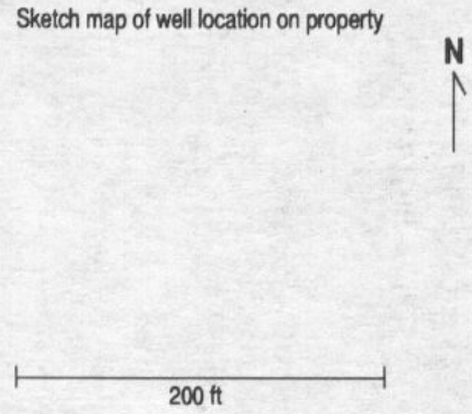
____ mi. N/S and ____ mi. E/W of intersection of _____ and _____

____ 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) _____

Formation log

From	To	Color	Hardness	Formation description
0	2	Black		TOPSOIL
2	12	Brown		CLAY
12	23	Gray		CLAY
23	29	Gray		SAND
29	44	Gray		SAND + GRAVEL W/CLAY
44	48	Gray		CLAY
48	58	Gray		SAND + GRAVEL

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

32 inch from 0 ft to 58 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 adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
12"	0.375"	6'	48'	42'

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
CONCRETE	6'	21'	3 cyd.

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12"	0.070"	48'	58'	10'	SST

Bottom capped (yes / no) with SST. PLATE

Seals / Packers (yes / no) kind BENTONITE depth 21-23 ft

Gravel packed (yes / no) from 23 ft to 58 ft

type NORTHERN #2 amount 10 TONS

Well developed? (yes / no)

Explain: SURGE BLOCK + BAILER DEVELOPMENT, PUMP SURGING DEVELOPMENT

Pump installed? (yes / no)

Date 08 / 08 / 97

Installer's name: JOE DOOLING

Type of pump: SUBMERSIBLE Depth to intake: 56 ft

Pump diameter: 6" Rated capacity: 250 GPM

Water information

Aquifer: ☒ sand/gravel ☐ limestone ☐ sandstone

Main water-supply zone from 48 ft to 58 ft

Final water level (static water level) 17 ft (below / above) GL.

Pumping water level 27 ft below GL; ☐ tape ☒ airline ☐ E-line

At yield of 250 GPM; ☒ orifice ☐ volumetric ☐ estimate Date 08/08/97

Water quality test? (yes / no)

Date tested 06 / 21 / 97

Tested by: IOWA HYGIENIC LAB.

Test results: _____

Contractor: LAYNE - WESTERN

Address: 912 S. 14th AVE., MARSHALLTOWN, IA 50158

Driller: DAVE DEAVER Certification no. 40259

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