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

WELL RECORD

58152

Permit No. 14304

Site identification

Property Owner Welton Fire Station Well Number 2
Address Main Street Welton
Tenant
Well Depth 790 ft Date completed 11 / 13 / 03

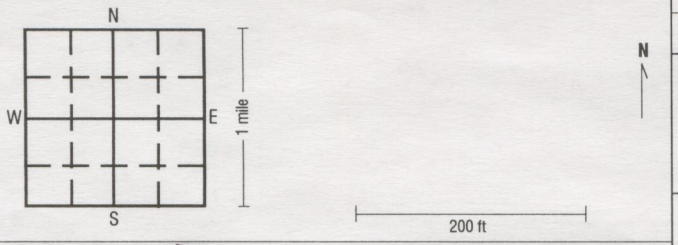
Location

County Clinton

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

NW 1/4 of the SW 1/4 of the SE 1/4 of Sec 15 TWP 82N RNG 3(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	12	Yellow		Clay
12	16			SAND
16	25			SANDY Clay
25	179			Silurian
179	408			Maquoketa Shale
408	675			Galena Limestone
675	685	Green	Hard	Shale
685	740	Lt tan	Hard	Limestone
740	760	White		SANDstone

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 Fill Fire trucks (explain)

Drill method

☒ rotary ☐ auger ☐ cable other

Hole size

12 inch from 0 ft to 50 ft
10 inch from 50 ft to 420 ft
hole size continued
8 3/4 inch from 420 ft to 790 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)
8" SCH40	Steel	+1	420	421
6" SDR21	PVC	640	790	150

Perforated or slotted casing? (yes / no)

Perforated / slotted from 640 ft to 740 ft
Perforated / slotted from 760 ft to 790 ft

Casing grouted? (yes / no) Placement method Halliburton

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bensel	0	420	

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
	0.___				
	0.___				

Bottom capped (yes / no) with
Seals / Packers (yes / no) kind Rubber depth 760 ft
Gravel packed (yes / no) from ft to ft
type amount

Well developed? (yes / no)

Explain A.2
(pumped, airlifted, bailed) for 2 hrs at 150 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 440-580 ft to 760-790 ft ☐ seepage well
Static water level 190 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 340 ft below GL; ☐ tape ☐ airline ☐ E-line ☒ estimate
At yield of 150 GPM; ☐ orifice ☐ volumetric ☒ estimate
Measurements taken at 6:00 (AM / PM) Date 11 / 13 / 03

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

Tested by

Contractor Gingerich Well
Address 1321 Locust Ave Kalona IA 52247
Driller K W Gingerich Certification no. 4004

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