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

WELL RECORD 47163

Permit No. _____

Site identification

Property Owner Central School Well Number 3-98

Address 308 310th St Fenton Ia 50539

Tenant _____

Well Depth 700 ft Date completed 11 / 4 / 98

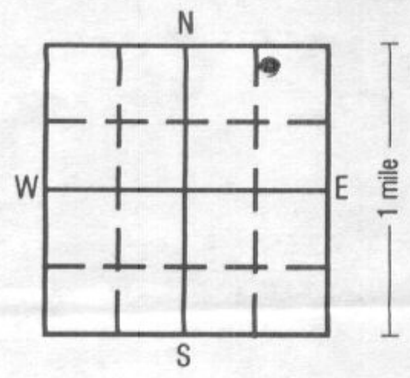
Location

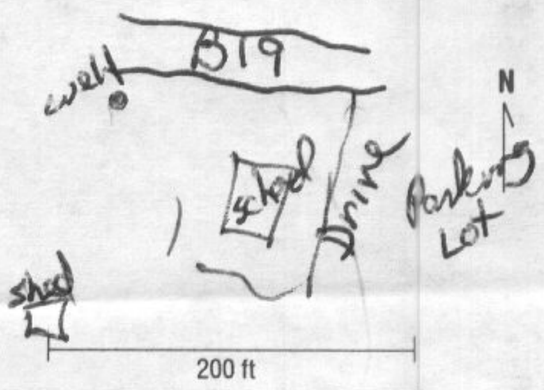
County Kossuth

_____ mi. N/S and 1 3/4 mi. E/W of intersection of Hwy 15 and B19

NW 1/4 of the NE 1/4 of the NE 1/4 of Sec 21 TWP 97 RNG 30 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	3	Blk	Soft	Dirt
3	6			Sand
6	25	yel	Soft	Clay
25	142	gray	Soft	Clay
142	180	Red	Hard	Clay
180	340	Brown	Med	Dolomite
340	621	White	Hard	Limestone
621	700	white	Soft	Clay w/ Rock

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

8 3/4 inch from 0 ft to 215 ft
6 1/4 inch from 215 ft to 217 ft

hole size continued

5 inch from 217 ft to 547 ft
4 3/4 inch from 547 ft to 709 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)
6	Steel	+1	5	6
5	PVC 200	5	217	212

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)
Bentonite	0	80	

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 _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain Airlift Until Clean -
(pumped, airlifted, bailed) for 4 hrs at 45 GPM.

Pump installed? (yes / no) Date 11 / 18 / 98

Installer's name Bill Elbert
Type of pump Suban 40550-15 Depth to intake 200 ft
Pump diameter 3 3/4 Rated capacity 50 GPM

Water information Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone

Main water-supply zone from 510 ft to 608 ft ☐ seepage well
Static water level 48 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 190 ft below GL; ☐ tape ☒ airline ☐ E-line ☐ estimate
At yield of 50 GPM; ☐ orifice ☐ volumetric ☒ estimate
Measurements taken at 12:30 (AM / PM) Date 11 / 8 / 98

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

Tested by Storm Lake

Contractor Elbert Bros WDP
Address Whittemore
Driller Rick Elbert Certification no. 40131

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

297971-DQ