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

WELL RECORD 47162

Permit No. DNR Permit

Site identification

Property Owner Sentral School Well Number #2-98

Address 308 310th St Fenton Ia 50539

Tenant

Well Depth 668 ft Date completed 10 / 28 / 98

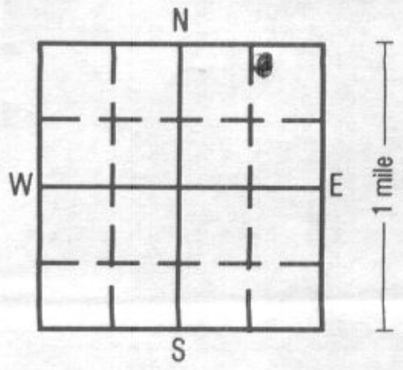
Location

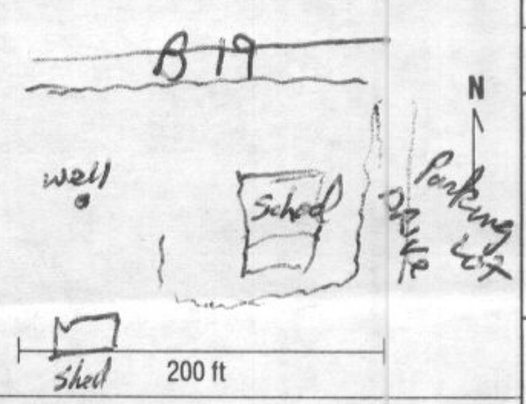
County Kossuth

0 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	2	BLK	Soft	Dirt
2	4			Sand
4	22	yel	Soft Sticky	Clay
22	145	Gray	Soft	Clay
145	181	Red	Hard	Clay
181	340	Brown	Med	Dolomite
340	612	White	Hard	Limestone
612	668	White Rock w/green		Clay - Clay w/some Rock

use additional sheets as needed

Remarks (including depth of lost drilling fluids, materials, or tools)
From 490-610 we picked up most of the water (5-10 gpm @ a time)

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 210 ft
6 1/4 inch from 210 ft to 212 ft

hole size continued

5 inch from 212 ft to 365 ft
4 7/8 inch from 365 to 620 ft
4 3/4 inch from 620 ft to 668 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	200 PVC	5	212	207

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.___				
	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 - then Pump to waste

(pumped / airlifted / bailed) for 5 hrs at 50 GPM.

Pump installed? (yes / no) Date 10 / 29 / 98

Installer's name Bill Elbert

Type of pump Subm 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 490 ft to 610 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 1 : 00 (AM / PM) Date 10 / 29 / 98

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

Tested by Storm Lake

Contractor Elbert Bros Well

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**

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