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

WELL RECORD

58112 Permit No. 2003-128W

Site identification

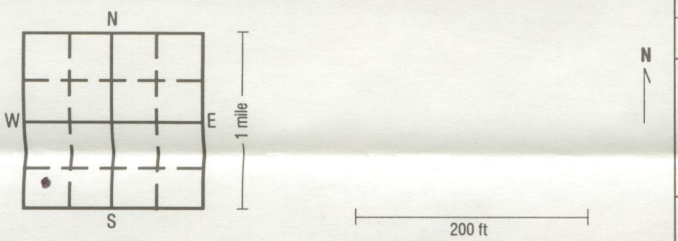
Property Owner Shelby Municipal Well Number 8
Address 419 East St. Shelby, IA 51570
Tenant
Well Depth 44 ft Date completed 10 / 6 / 03

Location

County Shelby

7/8 mi. (N) (S) and 1 1/8 mi. (E) (W) of intersection of Border St. and M16
SW 1/4 of the SW 1/4 of the SW 1/4 of Sec 34 TWP 78 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	4			Top Soil
4	17	Grey		Clay
17	33	Blue		Clay
33	44			Sand + Gravel

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 Reverse

Hole size

24 inch from 0 ft to 47 ft
inch from ft to 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 adapter (yes) no)

Size (ID OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
12"	49.56 lbs/ft	+2	34	36'
Pitless		+9	+2	7'

All measurements from existing grade

Perforated or slotted casing? (yes (no)

Perforated / slotted from ft to ft
Perforated / slotted from ft to ft

Casing grouted? (yes) no) Placement method

Type	Depth Top	Depth bottom	Amount (vol/wt)
Neat Cement	20	4'	1.5 yd³
Bentonite	20	25	0.5 yd³

Well screen? (yes) no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12	0.050	34	44	10	S.S.
	0.___				

Bottom capped (yes) no) with Stainless Steel Plate
Seals / Packers (yes / no) kind depth ft
Gravel packed (yes) no) from 25 ft to 44 ft
type NGC #1 amount 5 Ton

Well developed? (yes) no)

Explain Surge + Bail
(pumped, airlifted, bailed) for hrs at GPM.

Pump installed? (yes) no) Date 11 / 3 / 03

Installer's name Roger Heilig
Type of pump Submersible Depth to intake 35 ft
Pump diameter 4" Rated capacity 25 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 33 ft to 44 ft ☐ seepage well
Static water level 4 ft (below) / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 23 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 33 GPM; ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at : (AM / PM) Date 10 / 6 / 03

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

Tested by Hygenic Lab

Contractor Layne-Western
Address 5600 Gateway Drive, Suite B
Driller A. Sherman Certification no. 40647

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

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