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

WELL RECORD 56000 Permit No. 2001-485W

Site identification

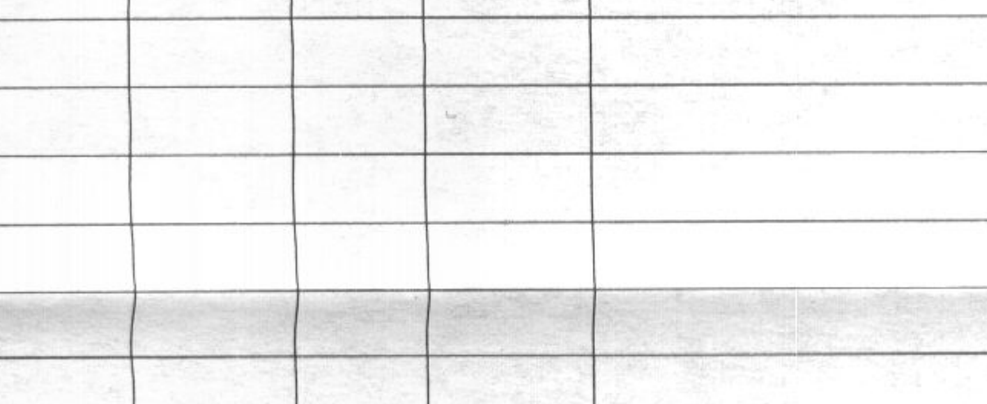
Property Owner Atlantic Municipal Util. Well Number 17
Address 15 West 3rd, Atlantic, IA 50022
Tenant From natural grade
Well Depth 75 ft Date Completed 6 / 13 / 02

Location

County Cass
.7 mi. (N) S and .3 mi. (E) W of intersection of Hwy 6 and N16
NW 1/4 of the SE 1/4 of the NW 1/4 of Sec 4 TWP 76 RNG 36 E (W)

Show exact location of well in section grid with a dot (●).

Sketch map of well location on property



N

☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	14			Clay
14	23			Sand w/ gravel
23	36			Clay
36	68			Sandstone
68	75	Red to White		Shale

use additional sheets as needed

Remarks (including depth of lost drilling fluids, materials, or tools)

Well use

☐ Domestic ☐ Livestock ☐ Test Well
☒ Municipal ☒ Public Supply ☐ Irrigation
☐ Industrial ☐ Monitoring ☐ Other _____ (explain)

Drill method

☐ rotary ☐ auger ☐ cable other Reverse

Hole size

from natural grade

24 inch from 0 ft to 75 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	49.56/ft.	0	45	45
12" Pitless		8	0	8
* Based on natural grade elevations				

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
Neat Cement	5	35	2.5 yd³
* Based	on natural grade elevations		

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12	.035	45	75	30	S.S.
* 68'-75'		Screen	blank		

Bottom capped (yes / no) with Stainless Steel Plate
Seals / Packers (yes / no) kind ___ depth ___ ft
Gravel packed (yes / no) from 30 ft to 75 ft
type LM "B" amount 4 yd³

Well developed? (yes / no)

Explain Surge and bail, Variable rate pumping

Pump installed? (yes / no)

Date 5 / 7 / 02
Installer's name Gessert
Type of pump Submersible Depth to intake From top of pitless 73 ft
Pump diameter 8" Rated capacity 250 GPM

Water information

Aquifer: ☐ sand/gravel ☐ limestone ☒ sandstone
Main water-supply zone from 45 ft to 68 ft
Final water level (static water level) 23 ft (below / above) ~~GL~~. Pitless cap
Pumping water level 45 ft below ~~GL~~; ☒ tape ☐ airline ☐ E-line
At yield of 300 GPM; ☒ orifice ☐ volumetric ☐ estimate Date ___

Water quality test? (yes / no)

Date tested 6 / 6 / 02
Tested by Hygenic Lab
Test results ___

Contractor Layne-Western
Address 5600 Gateway Drive, Suite D, Grimes, IA 50111
Driller Sherman **Certification no.** 40647

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