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

WELL RECORD

60080

Permit No. PW-510777360

Site identification

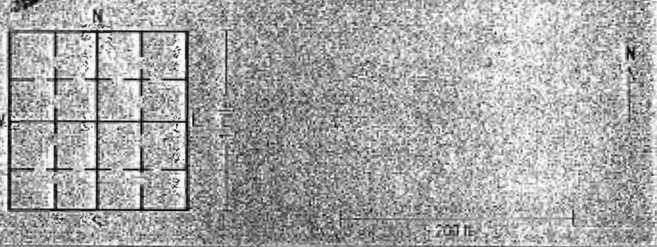
Property Owner: City of Grimes — Well Number: 102
Address: 404 S 2nd Grimes, IA 50111
Tenant:
Well Depth: 67 ft — Date completed: 8 / 17 / 00

Location

County: Polk

mi N/S and 3/4 mi E/W of intersection of Hwy 141 and
NW 1/4 of the SE 1/4 of the 1/4 of Sec 20 TWP 80 RNG 25 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): 842 Existing

Formation log

From	To	Color	Hardness	Formation description
0	3			Black top soil
3	12			Fine sand w/ gravel
12	15			Sand + clay
15	22			Clay
22	40			Grey clay
40	67			Sand + gravel / boulders
67	+			Clay

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

48 inch from 0 ft to 67 ft
hole size continued: ___ inch from ___ ft to ___ ft
___ inch from ___ ft to ___ ft
___ inch from ___ ft to ___ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Size (ID/OD)	Type / Wt	Drive shoe (yes/no)	Depth top	Depth bottom	Pitless adapter (yes/no)	Amount (length)
24	Steel 125.5 lbs/ft		+8	47		55

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)
Bentonite Seal	20	125	1.75 yd³
Neat Cement	5	20	5.25 yd³

Well screen? (yes no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24	0.080	47	67	20	S.S.
	0.___				

Bottom capped (yes / no) with Stainless Steel Plate
Seals / Packers (yes / no) kind: ___ depth: ___ ft
Gravel packed (yes no) from 67 ft to 25 ft
type: Northern #3 amount: 15 yd³

Well developed? (yes no)

Explain: Surge + bail, step pump test
(pumped, airlifted, bailed) for 8 hrs at various GPM

Pump installed? (yes no) Date: 7 / 20 / 01

Installer's name: Greg Wolfe
Type of pump: Submersible Depth to intake: 45 ft
Pump diameter: 8 Rated capacity: 600 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone: from 47 ft to 67 ft ☐ seepage well
Static water level: 12 ft (below / above) GL ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level: 23 ft Below GL ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of: 900 GPM ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at ___ (AM / PM) Date: 8 / 17 / 00

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

Tested by:

Contractor: Layne-Western
Address: 1621 NE 51st Ave
Driller: Mark Leslie / Tom Costello Certification no: 40538

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

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