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

WELL RECORD 60078

Permit No. PW-5D7736011

Site identification

Property Owner: City of Grimes — Well Number: 100
Address: 404 S. 2nd, Grimes, IA 50111
Tenant:
Well Depth: 82 ft — Date completed: 5/26/00

Location

County: Polk

___ rm. N and 1165 rm. W of intersection of Hwy 141 and ___
NW 1/4 of the E 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.

N / W / E / S — 200 ft

☐ upland ☐ hillside ☐ valley — Elevation (if known): 849 Feet msl

Formation log

From	To	Color	Hardness	Formation description
0	1			Black top soil
0	22	yellow		Clay
22	52			Fine sand w/ gravel
52	82			Coarse sand & gravel
82	+			Shale

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 84 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)
24	Steel	+2	62	64
	125.5 lbs/ft			

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 pipe

Type	Depth top	Depth bottom	Amount (vol/wt)
Bentonite Seal	20	25	1.75 yd³
Neat Cement	5	20	5.25 yd³

Well screen? (yes no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24	0.070	62	82	20	S.S.
	0				

Bottom capped (yes / no) with: 24" dia. Steel Plate
Seals / Packers (yes no) kind: ___ depth: ___ ft
Gravel-packed (yes no) from: 82 ft to: 25 ft
type: Waterloo #2 amount: 2.3 yd³

Well developed? (yes no)

Explain: Surge & bail, Start pump to test
(pumped, air lifted, bailed) for 3 hrs at 600 GPM

Pump installed? (yes no) — Date: 7/30/01

Installer's name: Greg Wolfe
Type of pump: Submersible — Depth to intake: 60 ft
Pump diameter: 8 — Rated capacity: 600 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water supply zone: from 62 ft to 82 ft ☐ seepage well
Static water level: 13 ft (below) above) GL, ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level: 25 ft below GL, ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of: 600 GPM ☒ orifice ☐ volumetric ☐ estimate
Measurements taken at: ___ (AM / PM) Date: 5/23/00

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

Tested by:

Contractor: Layne-Western
Address: 1622 NE 51st Ave
Driller: Mark Leslie / Tom Correll — 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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