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

WELL RECORD 60079

Permit No. PW-5107736011

Site identification

Property Owner City of Grimes Well Number 101
Address 404 S 2nd Grimes, IA 50111
Tenant
Well Depth 76.5 ft Date completed 2 / 10 / 01

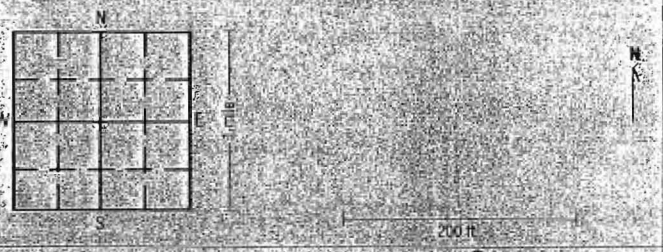
Location

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) 840

Formation log

From	To	Color	Hardness	Formation description
0	3			Topsoil
3	9			Clay
9	16			Fine Sand
16	23	Grey		Clay
23	76.5			Course 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

48 inch from 0 ft to 76.5 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

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
24	Steel	0	55.5	55.5
	125.5 lb/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

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bentonite Seal	33	38	1.75 yd³
Neat Cement	7	33	12 yd³

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
24	0080	55.5	75.5	20	S.S.
	0				

Bottom capped (yes / no) with S.S. plate

Seals / Packers (yes / no) kind ___ depth ___ ft

Gravel packed (yes / no) from 76.5 ft to 38 ft

type #3 Northern amount 30 Ton

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 / 30 / 01

Installer's name Greg Wolfe

Type of pump Submersible Depth to intake 55 ft

Pump diameter 8 Rated capacity 600 GPM

Water information

Aquifer ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 53.5 ft to 75.5 ft ☐ seepage well

Static water level 15 ft (below / above) GL ☒ tape ☐ airline ☐ E line ☐ estimate

Pumping water level 27 ft below GL ☒ tape ☐ airline ☐ E line ☐ estimate

At yield of 600 GPM ☒ orifice ☐ volumetric ☐ estimate

Measurements taken at ___ (AM / PM) Date 2 / 12 / 01

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

tested by

Contractor

Contractor Layne - Western

Address 25450 Hwy 275

Driller Tom Correll Certification no. 40538

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

297971-DQ