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

WELL RECORD 63040

PWTS Well No. _____

PWTS Permit No. _____
County Permit No. _____

Site identification

Property Owner: Clay Regional Water Other ID: Well #10
Address: 1301 38th Street, Spencer, IA 51301
Tenant: Clay Regional Water
Well Depth: 39 ft Date completed: 09 / 20 / 06

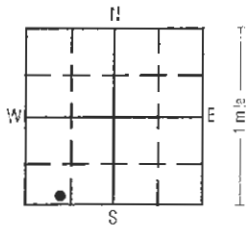
Location

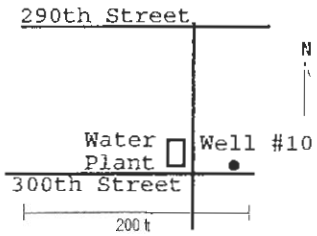
County: Clay

1/16 mi (N) and 1/5 mi (E) of intersection of 300th St and 160th Ave.
SE 1/4 of the SW 1/4 of the SW 1/4 of Sec 18 TWP 97 RNG 37 (W)

GPS Coordinates (NAD83 datum only) decimal degrees:
_____ N. Latitude _____ W. Longitude.

Show exact location of well in section grid with a dot (●). Sketch map of well location on property.





☐ upland ☐ hillside ☐ valley ☒ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	2	Black		Topsoil
2	37	Gray		Sand w/gravel
37	39	Gray		Gravel w/boulders
39	41	Gray		Clay/till

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well ☐ Heat pump ☐ Municipal ☒ Public supply ☐ Irrigation ☐ Commercial ☐ Monitoring ☐ Other Rural Water System

Drill method

☐ rotary ☐ auger ☐ cable other Reverse

Hole size

20 inch from 0 ft to 41 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"	0.375"	3'	29'	32'

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)
Neat Cement	5'	18'	1.5 cyd

Well screen? (yes) (no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
12"	0.100	29'	39'	10'	SST
	@				

Bottom capped (yes) (no) with SST Plate Attached
Seals / Packers (yes) (no) kind Bentonite depth 18-20 ft
Gravel packed (yes) (no) from 20 ft to 39 ft
type Northern #3 amount 3 Tons

Well developed? (yes) (no)

Explain: Surge block, bailer, rawhiding
(pumped) airlifted (bailed) for 4 hrs at 500 GPM

Pump installed? (yes) (no) Will be soon

Date ____ / ____ / ____
Installer's name _____
Type of pump: Submersible Depth to intake: 32 ft
Pump diameter: 8" Rated capacity: 600 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 9 ft to 38 ft ☐ seepage well
Static water level 9.3 ft (below) (above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
Pumping water level 21.1 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
At yield of 597 GPM; ☒ orifice ☐ volumetric ☐ estimate for 72 hours
Measurements taken at 9 : 40 (AM) (PM) Date 10 / 06 / 06

Water quality test? (yes) (no)

Date tested 10 / 06 / 06
Tested by: Clay Regional Water Association

Contractor: Layne-Western
Address: 5600 Gateway Drive, Suite B, Grimes, IA
Driller: Mark Leslie Certification no. 3684

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**