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

WELL RECORD

PWTS Well No. 63036

PWTS Permit No. 2004-559W
County Permit No. _____

Site identification

Property Owner: Clay Regional Water Other ID: Well #6
Address: 1301 38th Street, Spencer, IA 51301
Tenant: Clay Regional Water
Well Depth: 42 ft Date completed: 09 / 03 / 04

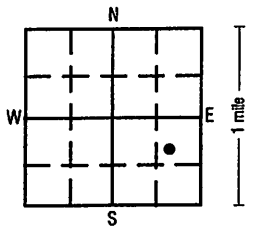
Location

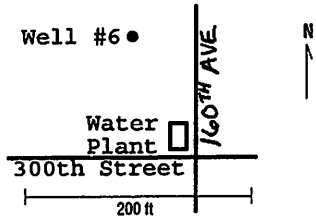
County: Clay

1/3 mi (N) (S) and 1/5 mi (E) (W) of intersection of 300th St and 160th Ave.
SW 1/4 of the NE 1/4 of the SE 1/4 of Sec 13 TWP 97 RNG 38 (E) (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	1	Black		Topsoil
1	15	Tan		Sand & gravel w/cobbles
15	37	Gray		Coarse sand & gravel
37	42	Gray		Sand & gravel w/cobbles
42	44	Gray		Clay

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 44 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'	32'	29'

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'	19'	1 cyd

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
12"	0.100	32'	42'	10'	SST
	0.___				

Bottom capped (yes / no) with SST Plate Attached
Seals / Packers (yes / no) kind Bentonite depth 19-20 ft
Gravel packed (yes / no) from 20 ft to 44 ft
type Northern #3 amount 3.5 Tons

Well developed? (yes / no)

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

Pump installed? (yes / no)

Date 04 / 14 / 05
Installer's name: Ben Bailey
Type of pump: Submersible Depth to intake: 42 ft
Pump diameter: 8" Rated capacity: 600 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 15 ft to 44 ft ☐ seepage well
Static water level 11.5 ft (below / above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
Pumping water level 19.6 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
At yield of 550 GPM; ☒ orifice ☐ volumetric ☐ estimate for 72 hours
Measurements taken at 1 : 00 (AM / PM) Date 01 / 14 / 05

Water quality test? (yes / no)

Date tested 01 / 14 / 05
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**