63037 **WELL RECORD**

PWTS Permit No. 2004-311W

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

PWTS Well No. _____

County Permit No. _____

Site identification

Property Owner Clay Regional Water Other ID Well #7

Address 1301 38th Street, Spencer, IA 51301

Tenant Clay Regional Water

Well Depth 38 ft Date completed 07 / 14 / 04

Location

County Clay

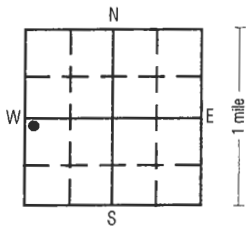
1/2 mi (N / S) and 1/16 mi (E / W) of intersection of 290th St and 160th Ave.

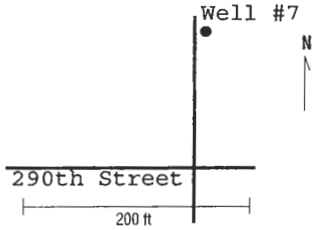
NW 1/4 of the NW 1/4 of the SW 1/4 of Sec 7 TWP 97 RNG 37 (E / W)

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	18	Gray		Med. sand w/gravel
18	38	Gray		Med/coarse sand w/grav.

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 38 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)
12"	0.375"	3'	28'	31'

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	4'	19'	1.5 cyd

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
12"	0.100	28'	38'	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 38 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)

Date 04 / 15 / 05

Installer's name Ben Bailey

Type of pump Submersible Depth to intake 37 ft

Pump diameter 8" Rated capacity 400 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 15 ft to 38 ft ☐ seepage well

Static water level 14.5 ft (below / above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

Pumping water level 26.2 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

At yield of 500 GPM; ☒ orifice ☐ volumetric ☐ estimate for 72 hours

Measurements taken at 11 : 30 (AM / PM) Date 09 / 10 / 04

Water quality test? (yes / no)

Date tested 09 / 10 / 04

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**