WELL RECORD FORM

PWTS No. or PWS No. 4950905 | PWTS Permit No. 20150587 | GEOSAM Well No. (IGS use only) 8 3 2 3 4

Site Identification

Property owner: Clinton County Conservation | Other ID: New Well 2

Address: 1415 50th Ave | City: Baldwin

Tenant: Eden Valley Nature Center

Well depth: 84 ft | Date completed: 4 / 25 / 2016

Location

County: Jackson

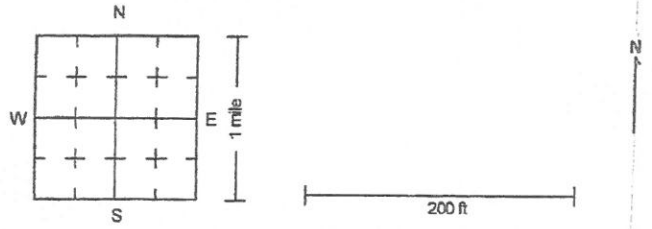
GPS coordinates (NAD83 datum)

_____ Latitude _____ Longitude

☐ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds

____ 1/4 of the ____ 1/4 of the NW 1/4 of Sec 33 TWP 84 RNG 1 E/W

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



Formation Log

From	To	Color	Hardness	Formation description
0	38	brown		clay
38	65	brown		broken limestone
65	84	green		shale

(use additional sheets as needed)

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

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other _____

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

12 3/4 inch from 0 ft to 42 ft

5 7/8 inch from 42 ft to 84 ft

hole size continued: ____ inch from ____ ft to ____ ft; ____ inch from ____ ft to ____ ft

Casing or Loop Pipe

Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
6	Steel	+1	45	☐	☐	☐ slot size ____
4.5	PVC	9	32	☐	☐	☐ slot size ____
4.5	PVC	32	84	☑	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

Casing Grout

Placement method: haliburton

Type	Depth Top	Depth Bottom	Amount (vol/wt)
bentonite	0	42	20 bags
☐ Gravel packed variety ____			
☐ Seals/packers			

Pump Installation

Date 7 / 20 / 2016

Type of pump: submersible | Depth to intake: 30 ft

Pump diameter: 4 in | Rated capacity: 27 GPM

Water Information

Date 4 / 25 / 2016

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
12 ft	20 ft	30 GPM	1.00 hrs

Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☐ E-line ☑ Estimate

Water yield measurement: ☐ Orifice ☐ Volumetric ☑ Estimate

Main water-supply zone from 55 ft to 65 ft below GL

Well Development

☑ Physical explain: 30gpm @ 20' for 1 hr

☐ Chemical explain: _____

Contractor

Company: Latta Well & Pump

Address: 1051 Taylor Ave, Wilton IA 52778

Driller: Matt White | Certification no. 5799

Pump Installer Kurt Hartman #7152

Mail form to Iowa Geological Survey: 100 Oakdale IGS, Iowa City, IA 52242-1304

Or email form to: IHR-IGS-WellRecords@uiowa.edu

Make copies for well contractor, customer, and county health department

IHR Hydroscience & Engineering

THE UNIVERSITY OF IOWA

09/20/2016

Rev. 2