Iowa Department of Natural Resources

WELL RECORD FORM

077264

Geological and Water Survey

PWTS No. *or* PWS No. _____ | PWTS Permit No. _____ | GEOSAM Well No. *(DNR use only)* _____

Site Identification

Property owner City of Battle Creek Other ID #5

Address 115 Main Street City Battle Creek

Tenant _____

Well depth 60 ft Date completed 4 / 1 / 2014

Drill Method

☐ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

24 inch from 0 ft to 60 ft

_____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft

hole size continued

_____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft

Location

County Ida

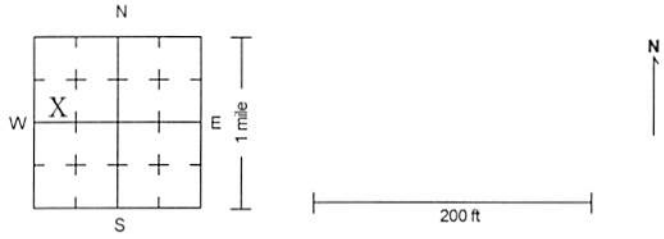
GPS coordinates (NAD83 datum)

42.3205560 Latitude 95.5907500 Longitude

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

NW 1/4 of the NW 1/4 of the NW 1/4 of Sec 26 TWP 87 RNG 41 E W

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



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
12	Steel	0	30	☐	☐	☐ slot size _____
12	SS V-wire	38	48	☐	☐	☑ slot size .080
12	Steel Sump	48	60	☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____

Casing Grout

Placement method _____

Type	Depth top	Depth bottom
Neat Cement	0	30
Bentonite Seal	30	34
☑ Gravel packed variety Chlorinated	34	60
☐ Seals/packers		

Formation Log

From	To	Color	Hardness	Formation description
0	10	brown	loose	Top soil and clay
10	20	tan	loose	medium/coarse gravel
20	48	tan	loose	gravel w/cobbles and hard ledges
48	60	tan	dense	sandy clay

(use additional sheets as needed)

RECEIVED
MAY 01 2014
By _____

Pump Installation

Date _____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date 4 / 15 / 2014

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
25 ft	30 ft	152 GPM	24.00 hrs

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

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 38 ft to 48 ft below GL

Well Development

☑ Physical explain: Double Disc Surge Block

☑ Chemical explain: Aqua Clear PFD

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

Contractor

Company Charles Sargent Irrigation Company, Inc.

Address 2016 Industrial Park Road, Carroll, IA 51401

Driller Derek Schweitzer Certification no. 8338

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump # of borehole(s) ____ ☐ Commercial ☐ Irrigation

☐ Monitoring ☐ Other _____

Revision Date: 10/2011

Send form to **Iowa Department of Natural Resources – Geological and Water Survey**
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH 319-335-1575 FAX 319-335-2754

Make photocopies for:
well contractor, customer, and county health department