Iowa Department of Natural Resources

WELL RECORD FORM 76141

Geological and Water Survey

PWTS No. or PWS No. 8400722 | PWTS Permit No. _____ | GEOSAM Well No. (DNR use only) _____

Site Identification

Property owner Rural Water System #1 Other ID _____

Address 4438 380th St. City Hospers

Tenant _____

Well depth 311 ft Date completed 12 / 10 / 2012

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

32 inch from 0 ft to 311 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 Sioux

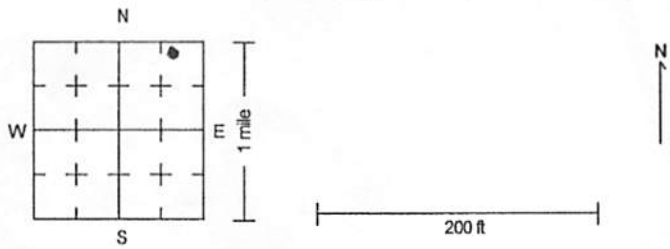
GPS coordinates (NAD83 datum)

43.0398611 Latitude -96.1792778 Longitude

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

Ne 1/4 of the Ne 1/4 of the Ne 1/4 of Sec 20 TWP 95 RNG 45 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
16	PVC	0	260	☐	☐	☐ slot size _____
16	Stainless V-Wire	281	311	☐	☑	☑ slot size .030
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____

Casing Grout

Placement method _____

Type	Depth top	Depth bottom
Concrete	0	260
Bentonite	260	278
☑ Gravel packed variety Chlorinated	278	311
☐ Seals/packers		

Formation Log

From	To	Color	Hardness	Formation description
0	20	Tan	Loose	Top soil, clay and cobbles
20	196	Tan	Dence	Clay and cobbles
196	200	Tan	Loose	Fine sand
200	220	Tan	Dense	Fine and medium sand
220	240	Tan	Dense	Fine, medium and coarse sand
240	280	Tan	Loose	Fine and medium gravel
280	284	Tan	Dense	Fine, medium and coarse sand
284	300	Tan	Dense	Sand and clay layers
300	312	Tan	Dense	Fine and medium sand
312	320	Gray	Dense	Clay and shale

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(use additional sheets as needed)

Pump Installation

Date 4 / 10 / 2012

Type of pump Stairs Depth to intake 276 ft

Pump diameter 8 in Rated capacity _____ GPM

Water Information

Date 4 / 10 / 2012

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
228 ft	263 ft	306 GPM	24.00 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from _____ ft to _____ ft below GL

Well Development

☐ Physical explain: _____

☐ Chemical explain: _____

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 _____

Contractor

Company Charles Sargent Irrigation Company, Inc.

Address 2016 Industrial Park Road, Carroll, IA 51401

Driller _____ Certification no. _____

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