WELL RECORD FORM

PWSID# *or* PWTS No. _____ | PWTS Permit No. _____ | GeoSam WNumber *(IGS use only)* 86074

Site Identification

Property owner Rural Water System No. 1 Other ID PL1-14

Address 4438 380th St. City Hospers

Tenant Randy Iedema

Well depth 33 ft Date completed 5 / 11 / 2017

Drill Method

☐ Rotary ☐ Auger ☐ Cable ☑ Other Caisson

Hole size

54 inch from 0 ft to 33 ft

____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

Location

County Sioux County

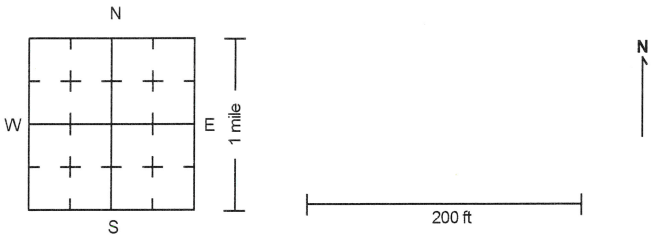
GPS coordinates (NAD83 datum)

43.1108170 Latitude 95.9104330 Longitude

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

____ 1/4 of the NE 1/4 of the NW 1/4 of Sec 27 TWP 96 RNG 43 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
20	Steel	0	24.7	☐	☐	☐ slot size ____
20	Stainless Steel	24.7	28.9	☐	☐	☑ slot size .120
20	Steel	28.9	32.9	☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
☑ Gravel packed		24	33	amount 8.9' variety Red Flint		
☐ Seals/packers				type ____		

☐ Bottom capped with Red Flint

Formation Log

From	To	Color	Hardness	Formation description
0	14	Gray	Dense	Clay
14	22	Brown	Dense	Fine to medium sand
22	29	Brown	Dense	Coarse gravel
29	33	Gray	Dense	Clay

(use additional sheets as needed)

Casing Grout

Placement method ____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Concrete Grout	10	22	
Bentonite Seal	22	24	

Pump Installation

Date 6 / 29 / 2017

Type of pump Shakti Depth to intake 32 ft

Pump diameter 6 in Rated capacity 230 GPM

Water Information

Date 06 / 29 / 2017

Static Water Level	Pumping Water Level	Yield	Duration
15 ft	24 ft	100 GPM	2.00 hrs

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

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 25 ft to 29 ft below GL

Well Development

☑ Physical explain: Surge blocked and pumped for 6 hours

☐ Chemical explain: ____

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

Contractor

Company Sargent Drilling

Address PO Box 634, Carroll, IA 51401

Driller Derek Schweitzer Certification no. 8338

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

IGS IIHR Hydroscience & Engineering The University of Iowa

Mail form to **Iowa Department of Natural Resources**: 502 E. 9th St., Des Moines, IA 50319-0034

Or click here to e-mail form to: well.records@dnr.iowa.gov

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

DNR

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