101840

WELL RECORD FORM

PWSID# or PWTS No. IA9778203 | PWTS Permit No. 2023-182W | GeoSam WNumber (IGS use only) _____

Site Identification

Property owner Roy Olsen | Other ID _____

Address 1473 Buchanan Ave | City Sioux City

Tenant _____

Well depth 116 ft | Date completed 6/9/23

Location

County Woodbury

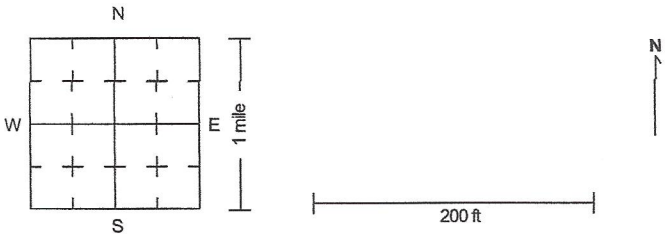
GPS coordinates (NAD83 datum)

_____ Latitude _____ Longitude

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

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ 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	50	Tan		clay
50	52	Green/Gray		"
52	57	Tan		"
57	90	Gray		"
90	92	white		"
92	98	Tan		"
98	114	Yellow/Red		course sand
114	124	Tan		clay

(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

10 inch from 0 ft to 124 ft

____ inch from ____ ft to ____ 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
5" ID	PVC	4'	104'	☐	☐	☐ slot size _____
5" ID	PVC	104'	114'	☐	☐	☐ slot size .020
5" ID	PVC	114'	116'	☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		95'	116'	amount 800lbs		variety sand
☐ Seals/packers				type _____		

☐ Bottom capped with _____

Casing Grout

Placement method Trimmie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Bentonite	0	95'	500lbs

Pump Installation

Date 8/18/23

Type of pump Sub | Depth to intake 95 ft

Pump diameter 4 in | Rated capacity 15 GPM

Water Information

Date 8/18/23

Static Water Level	Pumping Water Level	Yield	Duration
65 ft	71 ft	34 GPM	56 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☑ Estimate

Main water-supply zone from 98 ft to 114 ft below GL

Well Development

☒ Physical explain: Bailed

☐ Chemical explain: _____

Contractor

Company Bresnahan Well Drilling and Repair Inc

Address 5293 Hwy 175 Battle Creek 51006

Driller Kevin Rehse | Certification no. 4684

See back for submittal information