101740

WELL RECORD FORM

PWSID# *or* PWTS No. _____ **PWTS Permit No.** 2196 **GeoSam WNumber** *(IGS use only)* _____

Site Identification

Property owner City of Storm Lake Other ID _____

Address PO Box 1086 City Storm Lake

Tenant _____

Well depth 110 ft Date completed 9 / 12 / 2023

Location

County Buena Vista

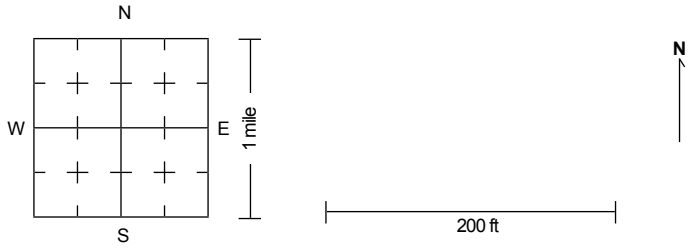
GPS coordinates (NAD83 datum)

42.6407500 Latitude 95.2337640 Longitude

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

_____ 1/4 of the _____ 1/4 of the SE 1/4 of Sec 5 TWP 90 RNG 37 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	7	Brown		Top soil and brown and gray clay
7	20			Fine med crse sand and fine med
				crse grvll and rocks with gray clay
20	60	Gray		Clay with rocks
60	62	Gray		Clay
62	75			Fine med coarse sand and fine
62	75			med coarse grvl and rocks
75	78	Gray		Clay
78	80			Fine med coarse sand and fine grl
80	91			Fine med coarse sand and fine
				med coarse gravel and rocks
91	95	Gray		Clay
95	109			Fine med coarse sand and fine
95	109			med coarse grvl and rocks
109	120	Gray		Sandy clay
120	140	Gray		Clay with rock layer
				(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

30 inch from 0 ft to 110 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
16	Steel	0	75	☐	☐	☐ slot size _____
16	Johnson Stainless	75	110	☐	☑	☑ slot size .100
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☐ Gravel packed		65	110	amount 11.25yds		variety _____
☐ Seals/packers				type _____		

☐ Bottom capped with _____

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Concrete	8	35	3 yds
Bentonite Steal	35	65	4 SS

Pump Installation

Date 10 / 24 / 2023

Type of pump Grundfos Depth to intake 60 ft

Pump diameter 6 in Rated capacity 200 GPM

Water Information

Date 10 / 24 / 2023

Static Water Level	Pumping Water Level	Yield	Duration
28 ft	90 ft	200 GPM	_____ 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: Double disk surge block piping

☐ Chemical explain: _____

Contractor

Company Sargent Drilling

Address 2016 Industrial Park Road, Carroll, IA 51401

Driller Derek Schweitzer Certification no. 8338

IGS 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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