95352

WELL RECORD FORM

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

Site Identification

Property owner Southwest Regional Water | Other ID McCoppin1

Address PO Box 177 | City Clarinda

Tenant _____

Well depth 194 ft | Date completed 6 / 2 / 2020

Location

County Montgomery

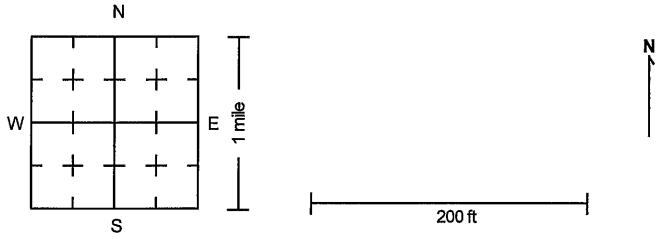
GPS coordinates (NAD83 datum)

41.0154440 Latitude | 95.1763330 Longitude

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

____ 1/4 of the ____ 1/4 of the NE 1/4 of Sec 26 TWP 72 RNG 38 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	32	brown	dense	clay
32	54	brown	dense	clay with some sand
54	55	brown	hard	rock
55	68	brown	dense	clay with sand and gravel
68	88	tan	loose	sand with streaks of clay
88	112	brown	dense	clay with some sand and gravel
112	135	brown	loose	sand with streaks of clay
135	149	brown	dense	clay with streaks of shale
149	151	brown	hard	rock
151	159	brown	dense	clay
159	202	tan	hard	sandstone
202	206	tan	hard	shale
				(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

24 inch from 0 ft to 194 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
12	ShurGrip (PVC)	0	157	☐	☐	☐ slot size _____
12	Stainless	157	194	☐	☑	☑ slot size .060
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		154	194	amount 5 bags variety Sili Beads		
☐ Seals/packers				type _____		

☐ Bottom capped with Sili Beads

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Cement Grout	6	26	
Bentonite Seal	26	154	

Pump Installation

Date 9 / 22 / 2020

Type of pump Goulds | Depth to intake 181 ft

Pump diameter 7 in | Rated capacity 500 GPM

Water Information

Date 6 / 8 / 2020

Static Water Level	Pumping Water Level	Yield	Duration
101 ft	130 ft	500 GPM	24.00 hrs

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

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 156 ft to 194 ft below GL

Well Development

☑ Physical explain: Surge blocked and pumped for 6 hours

☐ Chemical explain: _____

Contractor

Company Sargent Drilling

Address 2016 Industrial Park Road, Carroll, IA 51401

Driller Derek Schweitzer | Certification no. 8338

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

Rev. 2017 DNR Form 542-8170