90227

WELL RECORD FORM

PWSID# *or* PWTS No. 6709017 | PWTS Permit No. | GeoSam WNumber *(IGS use only)*

Site Identification

Property owner City of Blencoe | Other ID 2017-2

Address PO Box 56 | City Blencoe

Tenant

Well depth 102 ft | Date completed 7 / 2 / 2018

Location

County Monona

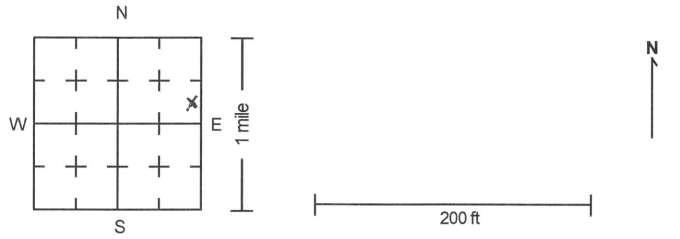
GPS coordinates (NAD83 datum)

41.9333060 Latitude | 96.0801110 Longitude

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

____ 1/4 of the ____ 1/4 of the NE 1/4 of Sec 9 TWP 82 RNG 45 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	5	brown	loose	Top soil and brown clay
5	20	tan	loose	Fine sand and sandy brown clay
20	40	tan	loose	Fine sand with black shale streak
40	60	tan	loose	Fine sand with fine, medium
				gravel layer and clay strips
60	80	tan	loose	Fine, medium, coarse sand and
				fine gravel with gray clay layer
				and blue shale chunks
80	100	tan	loose	Fine, medium, coarse sand and
				fine gravel with black shale chunk
100	110	tan	loose	Fine, medium, coarse sand with
				fine, medium gravel
110	125	red	hard	Clay and red and white 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

22 inch from 0 ft to 102 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	SDR17 ShurGrip	0	82	☐	☐	☐ slot size
12	Stainless Steel	82	102	☐	☑	☑ slot size .070
				☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size
☑ Gravel packed		75	102	amount 6.75 yds	variety #3	
☐ Seals/packers				type		

☐ Bottom capped with

Casing Grout

Placement method

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Bentonite cap	0	8	
Concrete grout	8	28	
Bentonite seal	28	75	

Pump Installation

Date 12 / 13 / 2018

Type of pump Grundfos | Depth to intake 75 ft

Pump diameter 4 in | Rated capacity 85 GPM

Water Information

Date 7 / 23 / 2018

Static Water Level	Pumping Water Level	Yield	Duration
8 ft	10 ft	100 GPM	24.00 hrs

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

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 5 ft to 110 ft below GL

Well Development

☑ Physical explain: Surge block 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

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