96036

WELL RECORD FORM

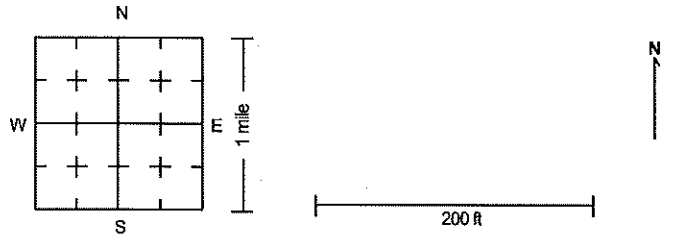
PWSID# or PWTS No. IA3621023 | PWTS Permit No. 2021-0178 W | GeoSam WNumber (IGS use only)

Site Identification

Property owner City of Hamburg IA Other ID North
Address 1201 Main St PO Box 1016 City Hamburg
Tenant
Well depth 88 ft Date completed 12/9/21

Location

County
GPS coordinates (NAD83 datum)
40° 36' 07.16" Latitude 95° 39' 51.13" 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.



Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other

Hole size

26 inch from 0 ft to 88 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	SDR 17	+1.9	78	☐	☐	☐ slot size ____
12	Stainless Steel	78	88	☐	☐	☑ slot size 0.070
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
☒ Gravel packed		52	88	amount 5.23 ton variety 3/16 x 10		
☐ Seals/packers				type ____		

☑ Bottom capped with stainless plate

Formation Log

From	To	Color	Hardness	Formation description
0	15	Tan	Soft	Silty Clay
15	18	Drk Brn	Soft	Silty Clay
18	27	Lt. Brn	Soft	Silty Clay
27	38	Brown	Loose	VF - M Sand
38	48	Gray	Loose	VF - M Sand
48	50	Gray	Loose	F Sand - f gravel (wood & lignite)
50	55	Gray	Soft	VF-F Sand
55	60	Gray	Loose	F Sand - M Gravel
60	74	Gray	Loose	VF-M Sand (lignite)
74	76	Gray	Loose	C Sand - C Gravel w/ Blds
76	88	Grey	Loose	C Sand - C Gravel gray
88	88+	Grey	hard	Shale
				(use additional sheets as needed)

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

Casing Grout

Placement method tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Neat cement	3	44	4.5 yds
Hole Plug	44	52	30 bags - 50#

Pump Installation

Date 12/9/21
Type of pump Grundfos Submersible Depth to intake 63 ft TOC
Pump diameter 6 in Rated capacity 500 GPM

Water Information

Date 1/11/22

Static Water Level	Pumping Water Level	Yield	Duration
22.95 ft TOC	30.5 ft TOC	500 GPM	2+ hrs

Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☒ E-line ☐ Estimate
Water yield measurement: ☐ Orifice ☒ Volumetric ☐ Estimate
Main water-supply zone from 78 ft to 88 ft below GL

Well Development

☒ Physical explain: Air lift
☐ Chemical explain:

Well Use

☐ Domestic ☑ Public supply ☐ Livestock
☐ Heat pump ☐ Commercial ☐ Irrigation
# of borehole(s) ____ ☐ Monitoring ☐ Other

Contractor

Company Rieschick Drilling Company
Address 70656 649 Ave. Falls City, NE
Driller Ron Rieschick Certification no. 4749
w/ Andrew Rieschick

IGS IHR Hydroscience & Engineering — The University of Iowa

See back for submittal information

DNR

Rev. 2017 DNR Form 542-8170