

WELL RECORD FORM

PWSID# or PWTS No. IA 3621023 PWTS Permit No. 2021-0178 W GeoSam WNumber (GS use only)

Site Identification
 Property owner City of Hamburg, IA Other ID South
 Address 1201 Main St. P.O. Box 106 City Hamburg
 Tenant _____
 Well depth 87 ft 89^{ft} Date completed 12/22/21

Drill Method Rotary Auger Cable Other _____
Hole size
26 inch from 0 ft to 87 ft _____ inch from _____ ft to _____ ft
 _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft

Location County Fremont
 GPS coordinates (NAD83 datum)
40° 36' 4.99" Latitude 95° 39' 51.38" Longitude
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
 _____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ R_{NG} _____ W
 Show exact location of well in section grid with a dot (.). Sketch map of well location on property.

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	+2.67	77	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
12	Stainless Steel	77	87	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>0.070</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
		50	87	amount <u>5.38 ton</u> variety <u>3/16 x 10</u>		
				Seals/packers type _____		
				<input checked="" type="checkbox"/> Bottom capped with <u>stainless plate</u>		

Formation Log

From	To	Color	Hardness	Formation description
0	5			No Sample - Top Soil
5	14	Tan	Soft	Silty Clay
14	16	dk Brn	Soft	Silty Clay
16	18	Brown	Soft	VF-F Sand
18	26	Tan	Soft	Silty Clay
26	31	Gray	Soft	Sandy Clay w/ trace of sand
31	33	Brown	Soft	VF-F Sand
33	37	Gray	Loose	F-M Sand
37	50	Gray	Loose	F-C Sand
50	58	Gray	Loose	F Sand - M Gravel
58	66	Gray	Loose	VF-F Sand
66	68	Gray	Loose	M Sand - C Gravel w/ sandy clay
68	72	Gray	Loose	M Sand - C Gravel
72	76	Gray	Loose	C Sand - VC Gravel (boulders)
76	87	Gray	Loose	C Sand - C Gravel
87	87 ^{ft}	Gray	Consolidated	Shale

(use additional sheets as needed)

Casing Grout Placement method tremie

Type	Depth Top	Depth Bottom	Amount (vol/vol)
Neat cement	3	45	4.5 yds
Hole plug	45	50	19 bags #50

Pump Installation Date 12/22/21
 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
<u>22^{ft}</u>	<u>29</u> ft	<u>500</u> GPM	<u>24</u> hrs

Water level measurement: Sonic Tape Airline E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from 77 ft to 87 ft below GL

Well Development
 Physical explain: Air lift
 Chemical explain: _____

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 _____

Contractor
 Company Rieschick Drilling Company
 Address 70656 649 Ave. Falls City, NE
 Driller Roy Rieschick Certification no. 4749
W/ Andrew Rieschick



See back for submittal information

