WELL RECORD FORM

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

Site Identification

Property owner REMBRANDT ENTERPRISES Other ID #4R

Address 1419 480TH STREET City REMBRANDT

Tenant _____

Well depth 428 ft Date completed 2 / 7 / 24

Location

County Buena Vista

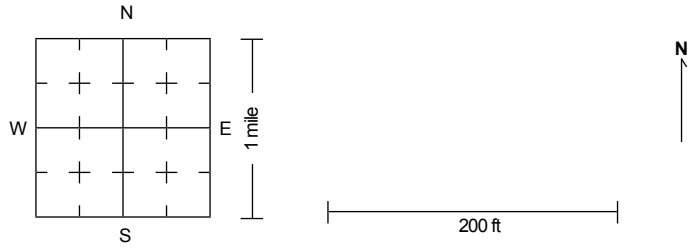
GPS coordinates (NAD83 datum)

42.8238056 Latitude 95.1302500 Longitude

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

NE 1/4 of the SW 1/4 of the SW 1/4 of Sec 32 TWP 93 RNG 36 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

14 inch from 0 ft to 430 ft

_____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft

hole size continued

_____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft

Casing, Screen and/or Loop Pipe

Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top(ft)	Depth Bottom(ft)	Perforated	Slotted	Screen
8	SDR17 PVC	0	180	☐	☐	☐ slot size _____
8	SDR21 PVC	180	300	☐	☐	☐ slot size _____
8"	Stainless Steel	300	430	☐	☑	☑ slot size .030
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		290	430	amount 110 variety bags		
☐ Seals/packers				type _____		

☐ Bottom capped with _____

Formation Log

From	To	Color	Hardness	Formation description
0	5	Tan/Brn	M	Top Soil Clay
5	15	Tan	M	Sandy Clay
15	48	Blue	M	Clay
48	58	Tan	M	Clay
58	108	Blue	M-H	Gummy Clay
108	118	Blue/Grn	H	Clay
118	138	Yellow	M-H	Clay Gummy
138	213	Gray	M-H	Clay Gummy
213	258	Brown	F	Sand
258	295	Wht/Red	H	Clay
295	430	Tan	F	Sandstone
				(use additional sheets as needed)

Casing Grout

Placement method Tremmie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
HS Bentonite	0	290	41 Bags

Pump Installation

Date 3 / 8 / 2024 Depth to intake 210 ft

Type of pump 230S25-8 Rated capacity 230 GPM

Pump diameter 6 in Final Yield 230 GPM

Well Development and Water Information

Date 02 / 07 / 24

Static Water Level	Pumping Water Level	Yield	Duration
146 ft	156 ft	230 GPM	24.00 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 300 ft to 430 ft below GL

Well Development

Explain: 70hrs Air Developed

Well Disinfection

System Water Volume _____ gal/ft³ Chemical Chlorine

Chemical Concentration 200ppm mg/L Contact Time 6 hrs

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 _____

Certified Well Driller

Company STEFFL DRILLING & PUMP INC

Name James Block / Michael J Steffl Certification no. 5280

Certified Pump Installer

Company Beemer Companies

Name Guy Beemer Certification no. 7278

IOWA Iowa Geological Survey

Rev. 2023

See back for submittal information

DNR Form 542-8170

Pursuant to 567 IAC 82.12, well record submittal is a requirement for all wells drilled in Iowa. Well logs can be submitted to the State via the following methods:

1) ***Public Water Supply wells***
   Email to: well.records@dnr.iowa.gov or,
   Submit a paper copy mailed to: Well Records, 502 E. 9th St., Des Moines, IA 50319-0034

2) ***For all remaining wells***
   Submit using one of the following options -
   a. Submit electronically through the Private Well Tracking System (PWTS) database, or
   b. Submit a paper copy to the respective county sanitarian (permitting authority)