

WELL RECORD FORM

PWTS No. or PWS No. <u>1170101</u>	PWTS Permit No. <u>2016-012W</u>	GEOSAM Well No. (IGS use only) <u>86068</u>
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Site Identification

Property owner REMBRANDT FOODS Other ID # 3 Replacement

Address 1419 480TH ST City REMBRANDT

Tenant COMMERCIAL-CHICKEN

Well depth 419 ft Date completed 10 / 14 / 16

Drill Method Rotary Auger Cable Other _____

Hole size

12 1/4 inch from <u>0</u> ft to <u>385</u> ft	hole size continued _____ inch from _____ ft to _____ ft
7 5/8 inch from <u>385</u> ft to <u>419</u> ft	_____ inch from _____ ft to _____ ft

Location County _____

GPS coordinates (NAD83 datum)
42.82294 Latitude -95.13092 Longitude

Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds

SE SW SW 32 93 36 E
 1/4 of the 1/4 of the 1/4 of Sec TWP RNG W

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

The sketch map shows a 36x32 section grid. A dot representing the well is located in the SW 1/4 of the SW 32nd section. A north arrow is present. A scale bar indicates 200 feet. A 'WATER TOWER' is shown to the north of the well. '480TH STREET' is shown to the east. A vertical road labeled '140TH AVE' is shown to the west, with a 1-mile scale bar.

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
8	PVC/250#	18"+	385	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
5	PVC / 200#	363	383	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
5 TS	STAINLESS	383	419	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>18</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____

Casing Grout Placement method TRIMMIE

Type	Depth Top	Depth Bottom	Amount (vol/wt)
BEN-SEAL EZ	SURFACE	250	17 BAGS

Formation Log

From	To	Color	Hardness	Formation description
241	258	GRAY		LIGHT SHALE
258	267	RED		SHALE
267	273	GRAY		SHALE
273	289	RED		SHALE
289	294	WHITE		SHALE
294	319	WHITE		SAND & SHALE
319	340			SANDSTONE
340	419			SAND
419				

(use additional sheets as needed)

Gravel packed variety #75 UNIMIN 363 417 1000 LBS

Seals/packers

Pump Installation Date _____ / _____ / _____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information Date 10 / 14 / 16

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
<u>146</u> ft	<u>275</u> ft	<u>190</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 385 ft to 417 ft below GL

Well Development

Physical explain: BAILED & DEVELOPED

Chemical explain: _____

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

Contractor

Company MIDDENDORFF WELL COMPANY

Address SIOUX RAPIDS, IOWA 50585

Driller MIKE STRAND Certification no. 5350

Well Use

Domestic Public supply Livestock

Heat pump Commercial Irrigation

of borehole(s) _____ Monitoring Other _____