WELL RECORD FORM

PWSID# or PWTS No. 3643202 | PWTS Permit No. | GeoSam WNumber (IGS use only) 86266

Site Identification

Property owner I-29/Hwy 2 SID, LLC Other ID

Address c/o Sapp Bros. Inc. 9915 SO 148th City Omaha, NE 68138

Tenant

Well depth 82 ft Date completed 12 / 2 / 2016

Location

County Fremont

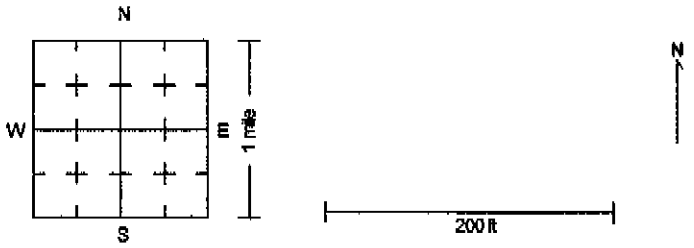
GPS coordinates (NAD83 datum)

40° 41' 31.78" Latitude 95° 47' 11.68" Longitude

☐ Decimal Degrees ☐ Degrees, Decimal Minutes ☒ Degrees, Minutes, Seconds

___ 1/4 of the ___ 1/4 of the SW 1/4 of Sec 21 TWP 68 RNG 43 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			No sample
5	7	Brn	soft	Silty clay
7	32	Gray	soft	VF Sand
32	36	Gray	soft	Sand & Gravel
36	47	Gray	soft	Sand F-M
47	52	Gray	soft	Clay w/gravel
52	60	Gray	soft	Sand + Gravel
60	63	Gray	soft	Sand - F-M
63	82	Gray	soft	Sand + Gravel

(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 Reverse

Hole size

16 inch from 0 ft to 82 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
8	Steel	+20"	61'8"	☐	☐	☐ slot size ___
8	Johnson V-wire	61'8"	81'8"	☐	☑	☑ slot size .050
				☐	☐	☐ slot size ___
				☐	☐	☐ slot size ___
				☐	☐	☐ slot size ___

☑ Gravel packed amount 25.8 cu ft variety 4 x 8

☐ Seals/packers type

☒ Bottom capped with SS plate

Casing Grout

Placement method Pressure

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Cement (neat)	6	46	31 cu/ft.
Bentonite holeplug	46	56	10.1 cu/ft.

Pump Installation

Date 8 / 31 / 17

Type of pump Submersible Depth to intake 60 ft

Pump diameter 6 in Rated capacity 85 GPM

Water Information

Date 12 / 9 / 16

Static Water Level	Pumping Water Level	Yield	Duration
5.75 ft	7 ft	85 GPM	3 hrs

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

Water yield measurement: ☐ Orifice ☒ Volumetric ☐ Estimate

Main water-supply zone from 7 ft to 82 ft below GL

Well Development

☒ Physical explain: Airlift

☐ Chemical explain:

Contractor

Company Rieschick Drilling Co Inc.

Address 70656 649 Ave. Falls City, NE 68355

Driller Roy Rieschick Certification no. 4749

IGS IIHR Hydroscience & Engineering

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

DNR

DNR Form 542-8170