89602

WELL RECORD FORM

PWSID# or PWTS No. 5547094 | PWTS Permit No. _____ | GeoSam WNumber (IGS use only) _____

Site Identification

Property owner Lone Rock | Other ID _____

Address 400 Reba Street | City Lone Rock

Tenant _____

Well depth 296 ft | Date completed 8 / 1 / 18

Location

County Kossuth

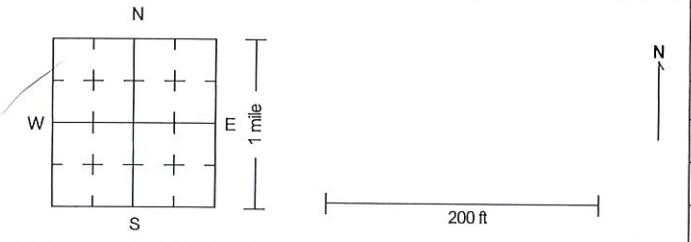
GPS coordinates (NAD83 datum)

43.220201 Latitude | -94.323590 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.



Formation Log

From	To	Color	Hardness	Formation description
				see attached

(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 _____

Hole size

13 inch from 0 ft to 160 ft

____ inch from ____ ft to ____ ft

hole size continued

8 inch from 160 ft to 296 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	0	160	☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☐ Gravel packed				amount _____ variety _____		
☐ Seals/packers				type _____		
☐ Bottom capped with _____						

Casing Grout

Placement method tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
neat cement	0	280'	110 sacks

Pump Installation

Date 8 / 21 / 18

Type of pump Grundfos | Depth to intake _____ ft

Pump diameter 3 in | Rated capacity 230 GPM

Water Information

Date 8 / 1 / 18

Static Water Level	Pumping Water Level	Yield	Duration
56 ft	105 ft	200 GPM	24 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from _____ ft to _____ ft below GL

Well Development

☐ Physical explain: _____

☒ Chemical explain: HTH/water solution

Contractor

Company Cahoy Pump Service

Address 24568 150th Street

Driller Kaes DeGroot | Certification no. 11135

IGS | IIHR Hydroscience & Engineering | The University of Iowa

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

Make copies for: well contractor, customer, and county health department

DNR

Rev. 2017 | DNR Form 542-8170

89602

The Cahoy Group

CAHOY PUMP SERVICE

SUMNER, IA
Corporate Office
563-578-1130

MARNE, IA
712-781-2030

DRILLER'S LOG

CLIENT: Lone Rock

WELL: 3 PWSID #: 5547094

DATE STARTED: 7/16/2018

DATE COMPLETED:

DRILLER/LIC.#: 11135

County: Kossuth

GPS: 43.220201 -94.323590

___ mi N/S and ___ mi E/W of intersection of _____ and _____

___ ¼ of the ____ ¼ of the ____ ¼ of _____ Sec _____ TWP _____RNG ____ E/W

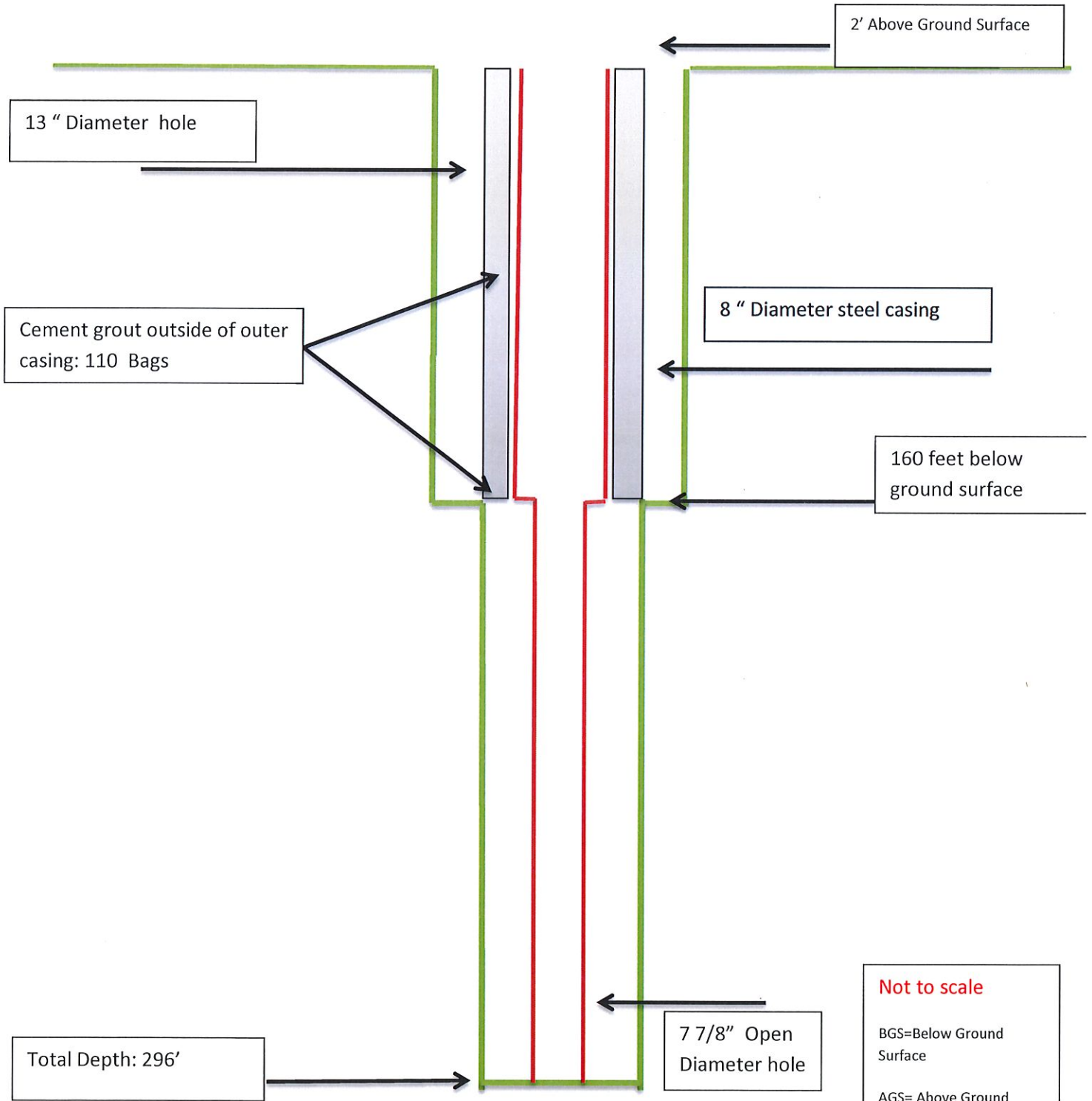
ROD#	LENGTH	DEPTH	FORMATION DESCRIPTION	DEPTH STARTED	DEPTH ENDED
			Top soil	0'	2'
			Brown clay	2'	37'
			Silty clay w/sand	37'	49'
			Blue clay	49'	71'
			Cobbles	71'	74'
			Blue clay	74'	125'
			Sandy blue clay	125'	131'
			Blue clay	131'	157'
			Limestone	157'	161'
			Limestone	161'	172'
			Shale streak	172'	173'
			Limestone	172'	191'
			Limestone w/streaks of shale	191'	192'
			Limestone	192'	214'
			Limestone	214'	215'
			Limestone	215'	279'
			Limestone w/streaks of shale	279'	280'
			Limestone	280'	293'
			Shale	293'	295.5'

89602

Well And Pump Service
Municipal, Industrial, Environmental
24568 150th St. Sumner, IA 50674
Tel: 563-578-1130 Fax: 563-578-1135

OWNER: Lone Rock
WELL #: 3
County: Kossuth

Date: 7-16-2018



Form revision date: 07/11/2017