89456

#12

WELL RECORD FORM

PWSID# or PWTS No. IA4848001 | PWTS Permit No. _____ | GeoSam Number (IGS use only) _____

Site Identification

Property owner Amana Society Other ID #12

Address 708 49th Ave City Amana

Tenant _____

Well depth 38 ft Date completed 6/11/18

Drill Method

☐ Rotary ☒ Auger ☐ Cable ☐ Other Bucket auger

Hole size	hole size continued
24 inch from 0 ft to 38 ft	____ inch from ____ ft to ____ ft
____ inch from ____ ft to ____ ft	____ inch from ____ ft to ____ ft

Location

County Iowa

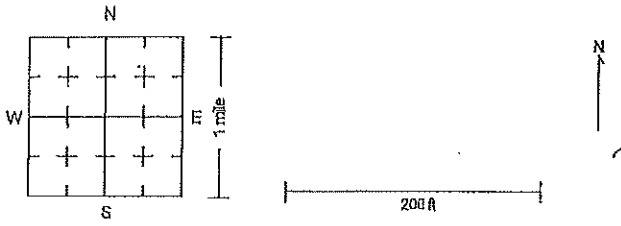
GPS coordinates (NAD83 datum)

41° 48.224N Latitude 91° 56.785W 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.



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
10	Stainless	27'	37	☐	☐	☒ slot size .025
				☐	☐	☐ 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 grout	3'	19'3"	23 sacks

Formation Log

From	To	Color	Hardness	Formation description
				See attached
				(use additional sheets as needed)

Pump Installation

Date 6/21/18

Type of pump Grunfos Depth to intake ____ ft

Pump diameter 6 in Rated capacity 75 GPM

Water Information

Date 6/21/18

Static Water Level	Pumping Water Level	Yield	Duration
18'2" ft	21 ft	85 GPM	24 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 27 ft to 37 ft below GL

Well Development

☐ Physical explain: _____

☒ Chemical explain: HTH – surge

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

Contractor

Company Cahay Pump

Address 24568 150th St. Sumner IA

Driller Weilage Certification no. 5742

Well Use

☐ Domestic ☒ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other ____

IGS IHR

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 The University of Iowa

DNR Form 542-0170

The Cahoy Group

CAHOY PUMP SERVICE

SUMNER, IA
Corporate Office
563-578-1130

MARNE, IA
712-781-2030

DRILLER'S LOG

CLIENT: Middle Amana

WELL: 12

DATE STARTED: 06/11/2018

DATE COMPLETED: 06/11/2018

DRILLER/LIC.#: Daryl Weilage

County: Iowa

GPS: 41° 48.224N 91° 56.785W

___ 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
Bucket 24" 5'-38'			Top soil	0.0'	1.0'
Bucket 30" 0'-5'			Brown clay	1.0'	10.0'
			Tan/gray clay w/slight sand	10.0'	15.0'
			Brown sand s/slight clay	15.0'	17.0'
			Fine to med brown sand	17.0'	25.0'
			Medium brown sand(very uniform)	25.0'	37.5'
			Gray/white shale	37.5'	38' ceased
Screen & casing					
Screen	10'3"				
Casing	8'				
Casing	21' 1"				
Total	39' 4"				

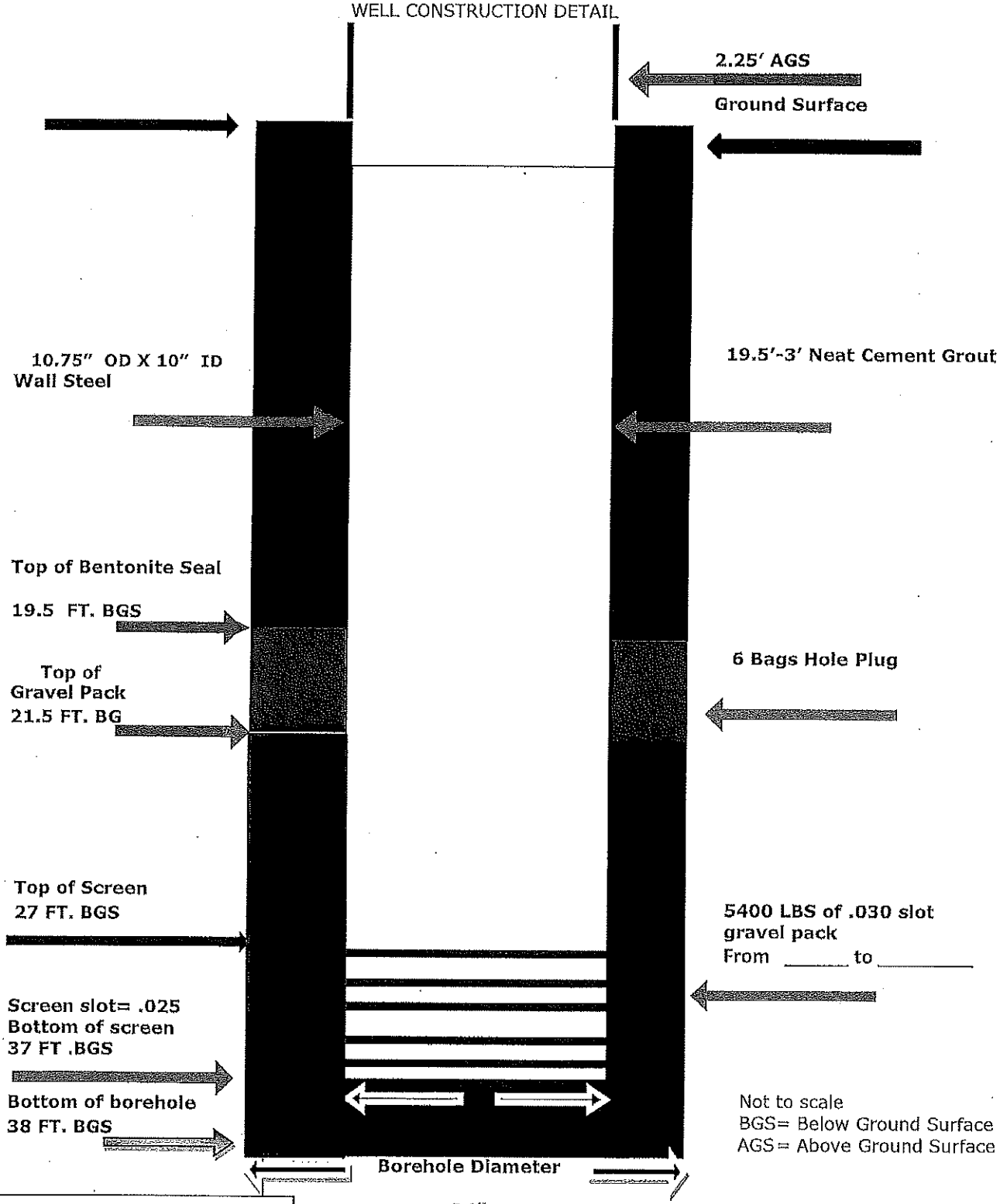
Form revised 7/11/2017

CAHOY WELL AND PUMP SERVICE
24568 150TH ST. STE. 200
SUMNER, IA 50674

OWNER: Middle Amana
WELL: 12
DATE: 06/11/2018
GPS: 41° 48.224N 91° 56.785W

563-578-1130 SUMNER, IA
563-578-1135 FAX
712-781-2030 MARNE, IA
712-781-2032 FAX

WELL CONSTRUCTION DETAIL



Not to scale
BGS= Below Ground Surface
AGS= Above Ground Surface

Form revision date: 07/11/2017