WELL RECORD FORM

PWTS No. *or* PWS No. 2193590 | PWTS Permit No. 48813 | GEOSAM Well No. *(IGS use only)* 85657 -

Site Identification

Property owner City of Council Bluffs, IA | Other ID

Address 3434 Richard Downing | City Council Bluffs

Tenant Station # B463+60

Well depth 66 ft | Date completed 3 / 15 / 17

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other

Hole size

24	inch	from 0	ft to 14	ft			
20	inch	from 14	ft to 68	ft			

hole size continued

____	inch	from ____	ft to ____	ft			
____	inch	from ____	ft to ____	ft			

Location

County Pottawattamie

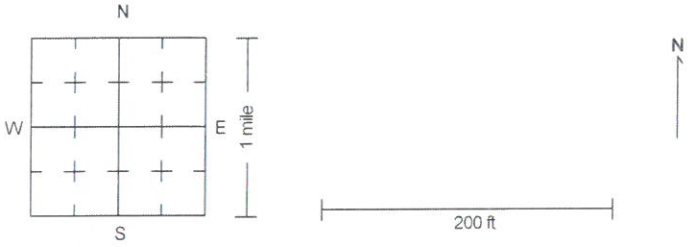
GPS coordinates (NAD83 datum)

456841.3900000 Latitude | 980161.6000000 Longitude

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

____ 1/4 of the SE 1/4 of the NE 1/4 of Sec 9 TWP 74 RNG 43 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
8	PVC SDR17	1	20	☐	☐	☐ slot size ____
8	Johnson S.S.	20	40	☐	☑	☑ slot size .020
8	Johnson S.S.	40	60	☐	☑	☑ slot size .020
8	Johnson	60	65	☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

Casing Grout

Placement method Gravity

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Bentonite Chips	0	18	2700 lbs
National Filter Material			
☐ Gravel packed variety .45x.55	18	66	10,300 lbs
☐ Seals/packers			

Formation Log

From	To	Color	Hardness	Formation description
0	9	Brown	Soft	Clay
9	15	Blue	Firm	Clay
15	19	Gray	Loose	Very, Fine, Silty Sand
19	27	Gray	Loose	Fine, Silty Sand
27	44	Gray	Loose	Fine Sand
44	46	Blue	Firm	Clay
46	51	Gray	Loose	Coarse Sand to Fine Gravel
51	68	Gray	Loose	Medium Sand
				(use additional sheets as needed)

Pump Installation

Date ____/____/____

Type of pump No Pump | Depth to intake ____ ft

Pump diameter ____ in | Rated capacity ____ GPM

Water Information

Date 3 / 23 / 17

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
17 ft	25 ft	60 GPM	1.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 27 ft to 66 ft below GL

Well Development

☑ Physical explain: Surge Block / Air Lift

☐ Chemical explain: ____

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

Contractor

Company Grosch Irrigation Co., Inc.

Address PO Box 533 North Bend, NE 68649-0533

Driller Tracy McConnell | Certification no. 7037

Well Use

☐ Domestic ☐ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

IGS | IIHR Hydroscience & Engineering

Mail form to **Iowa Geological Survey**: 100 Oakdale IGS, Iowa City, IA 52242-1304

Or click here to e-mail form to: IIHR-IGS-WellRecords@uiowa.edu

The University of Iowa

05-03-2017