WELL RECORD FORM

PWSID# *or* PWTS No. 2194405 | PWTS Permit No. 49042 | GeoSam WNumber *(IGS use only)* 85680 -

Site Identification

Property owner Dana Olson | Other ID

Address 34767 Island View Lane | City Emmetsburg

Tenant

Well depth 194 ft | Date completed 5 / 4 / 2017

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other

Hole size

9 inch from 0 ft to 199 ft

inch from ft to ft

hole size continued

inch from ft to ft

inch from ft to ft

Location

County palo alto

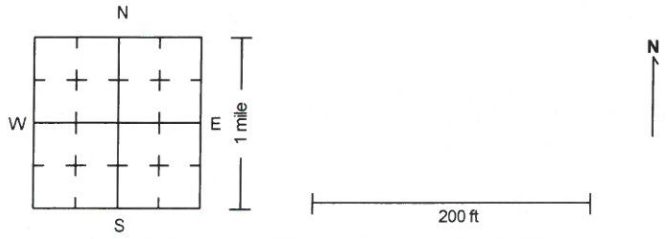
GPS coordinates (NAD83 datum)

43.1457366 Latitude | -94.6561810 Longitude

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

ne 1/4 of the se 1/4 of the nw 1/4 of Sec 8 TWP 96 RNG 32 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
5	pvc sdr 21	+1	189	☐	☐	☐ slot size
5	ss screen	189	194	☐	☐	☑ slot size .018
				☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size

☑ Gravel packed — amount 500 variety ss plate

☑ Seals/packers — type

☑ Bottom capped with ss plate

Formation Log

From	To	Color	Hardness	Formation description
0	10	blk	s	top soil
10	16	yel	m	clay
16	155	gray	m	clay
155	182	gray	m	fine dirty sand
182	194	clear	s	clean sand

(use additional sheets as needed)

Casing Grout

Placement method tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
bentonite	0	85	13 bags

Pump Installation

Date 5 / 4 / 2017

Type of pump submersible | Depth to intake 120 ft

Pump diameter 3 in | Rated capacity 18 GPM

Water Information

Date 5 / 4 / 17

Static Water Level	Pumping Water Level	Yield	Duration
82 ft	85 ft	40 GPM	3.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 189 ft to 194 ft below GL

Well Development

☑ Physical explain: surge/ jet / airlift until clean

☑ Chemical explain: hth

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

Contractor

Company elbert bros well drilling inc

Address whittemore

Driller rick elbert | Certification no. 2335

Well Use

☑ Domestic ☐ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other

IGS 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**

05-05-2017

DNR

Rev. 2017 | DNR Form 542-8170