83235 WELL RECORD 1 of 3

PWTS Permit No. _____

Iowa Department of Natural Resources—Geological Survey
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

PWTS Well No. _____

County Permit No. 2016-0200W

Site identification

46329103

Property Owner Joe Sheldon Park Other ID _____

Address 2352 Sheldon Ave Humboldt

Tenant _____

Well Depth 180 ft. Date completed 4/8/16

Location

County Humboldt

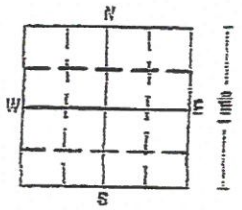
____ mi. N/S and ____ mi. E/W of intersection of _____ and _____

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 3 TWP 91 RNG 29 E/W

GPS Coordinates (NAD83 datum only) decimal degrees:

_____ N. Latitude _____ W. Longitude

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



☐ upland ☐ hillside ☐ valley ☐ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	2	Black	S	topsoil
2	17	yellow	S	Clay
17	19	yellow	S	Gravel? Shale
19	21	Brown	S	Clay
21	30	blue	S	Clay
30	33	colored	MH	Rock & Gravel
33	57	yellow	S	Clay
57	63	gray	S	Clay
63	64	yellow	S	Clay
64	72	white orange	MH	Limestone
72	84	white	MH-M	Limestone STRIOS white clay
84	85	gray	S	Shale
85	87	gray	MH	Limestone
87	107	white	MH	Limestone STRIOS white clay

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well
☐ Heat pump ☐ Municipal ☒ Public supply ☐ Irrigation
☐ Commercial ☐ Monitoring ☐ Other _____

Drill method

☒ rotary ☐ auger ☐ cable ☐ other _____

Hole size

12¼ inch from 0 ft to 124 ft
5⅞ inch from 124 ft to 180 ft

hole size continued
____ inch from ____ ft to ____ ft
____ inch from ____ ft to ____ ft

COPY

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes/no) Fillass adapter (yes/no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
8"		+20	124'4"	126'

Perforated or slotted casing? (yes/no)

Perforated / slotted from ____ ft to ____ ft
Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes/no) Placement method pumped

Type	Depth top	Depth bottom	Amount (vol/wt)
portland cement	0	124	57 bags

Well screen? (yes/no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
	0.____				
	0.____				

Bottom capped (yes/no) with _____
Seals / Packers (yes/no) kind _____ depth _____ ft
Gravel packed (yes/no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes/no)

Explain airlifted
(pumped, airlifted, bailed) for 4 hrs at 250 GPM

Pump installed? (yes/no) Date ____/____/____

Installer's name _____
Type of pump _____ Depth to intake _____ ft
Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone
Main water-supply zone from 172 ft to 176 ft ☐ seepage well
Static water level 57 ft (below / above) GL: ☐ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 58 ft below GL: ☐ tape ☐ airline ☐ E-line ☐ estimate
Aryield of 100 GPM: ☐ orifice ☐ volumetric ☒ estimate for 24 hours
Measurements taken at ____:____ (AM / PM) Date ____/____/____

Water quality test? (yes/no) Date tested ____/____/____

Tested by County sanitarian

Contractor Schumacher well
Address 2201 Slagle Dr Algona
Driller Jeremy Walker Certification no. 6087

Send original form to: Iowa Department of Natural Resources—Geological Survey

Make photocopies for: Well Contractor, Customer, and County Health Department

09-14-2016

WELL RECORD FORM

PWTS No. or PWS No. _____ | PWTS Permit No. 2016-0200W | GEOSAM Well No. (IGS use only) _____

Site Identification

Property owner Joe Sheldon Park Other ID 4622903

Address _____ City _____

Tenant _____

Well depth 180 ft Date completed ___/___/___

Drill Method

☐ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

____ inch from 0 ft to ____ ft

____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

Location

County _____

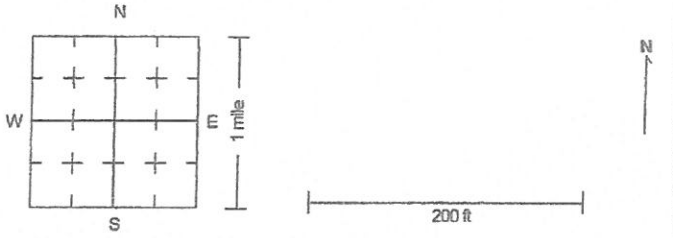
GPS coordinates (NAD83 datum)

_____ Latitude _____ 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
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
☐ Gravel packed variety _____			
☐ Seals/packers			

Formation Log

From	To	Color	Hardness	Formation description
107	107½	orange	S	Clay
107½	113	white orange	MH	Dolomite
113	117	white	MH	Limestone Strips of Shale
117	120	tan	MH	Limestone
120	121	brown	MH	Limestone
121	124	brown orange	softer	Dolomite
124	128	light brown	softer	Sandstone
128	131	gray	MH	Limestone
131	135	brown	MH	Limestone
135	146	tan	MH	Limestone
146	147	gray	MH	Limestone
147	150	tan	MH	Limestone
150	158	gray brown	MH	Limestone
158	159	dark brown	MH	Limestone
159	160	light brown	MH	Limestone
160	162	orange brown	softer	Dolomite
				(use additional sheets as needed)

Pump Installation

Date ___/___/___

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date ___/___/___

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
____ ft	____ ft	____ GPM	____ 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

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

Well Development

☐ Physical explain: _____

☐ Chemical explain: _____

Well Use

☐ Domestic ☐ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

Contractor

Company Schumacher Well

Address _____

Driller JWalker Certification no. 6087

WELL RECORD FORM

PWTS No. *or* PWS No. _____ | PWTS Permit No. 3016 - 0200W | GEOSAM Well No. *(IGS use only)* _____

Site Identification

Property owner Joe Sheldon Park | Other ID 4623903

Address _____ City _____

Tenant _____

Well depth 180 ft | Date completed ___/___/_____

Drill Method

☐ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

____ inch from 0 ft to ____ ft

____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

Location

County _____

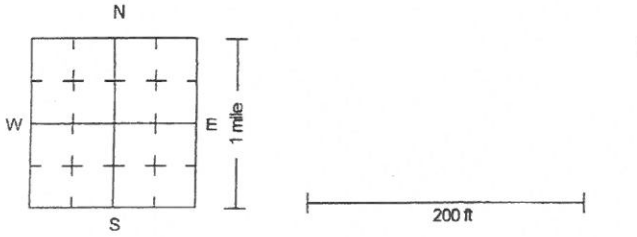
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_____ Latitude _____ Longitude

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

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec ____ TWP ____ RNG ____ E W

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Casing or Loop Pipe

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Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
☐ Gravel packed variety _____			
☐ Seals/packers			

Formation Log

From	To	Color	Hardness	Formation description
162	164	brown gray	MH	Limestone
164	172	brown	MH	Limestone
172	176	orange	softer	Fractured Limestone Shale sandstone
176	180	tan	MH	Limestone
				(use additional sheets as needed)

Pump Installation

Date ___/___/_____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date ___/___/_____

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
____ ft	____ ft	____ GPM	____ 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: _____

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 _____

Contractor

Company Schumacher well

Address _____

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