

076617

## WELL RECORD

PWTS Permit N

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

PWTS Well No.:

County Permit No

## Site identification

Property Owner: LONG GROVE CITY OF Other ID:

Address SCHULTZ PARK, LONG GROVE, IA 52756

Tenant

Well Depth: 460 ft Date Completed: 10/16/2013

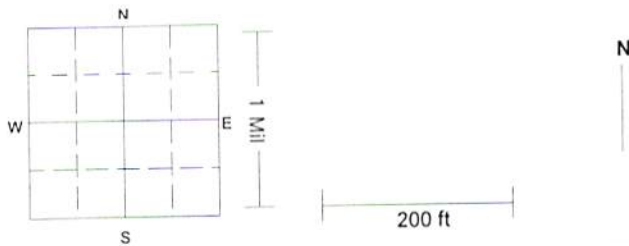
Location County SCOTT COUNTY HEALTH DEPT

mi. N and mi. E of intersection of and  
SW 1/4 of the SW 1/4 of the NE 1/4 of Sec 35 TW 80 RN 3E 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	20	YELLOW		CLAY
20	30	BLACK		CLAY
30	85	GREY		CLAY
85	86			SAND
86	116			CLAY
116	215			LIMESTONE
215	223			SHALE
223	260	YELLOW		LIMESTONE
260	270	BROWN		LIMESTONE
270	295	DARK		LIMESTONE
295	350	LIGHT		LIMESTONE
350	390	YELLOW		LIMESTONE MIX
390	400	GREY		LIMESTONE
400	460	GREY/WH		LIMESTONE MIX
460				SHALE

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

BROKEN LIMESTONE AND SHALE 215-223

## Well use

- ☐ Domestic ☐ Heat Pump ☐ Commercial  
☐ Livestock ☐ Municipal ☐ Monitoring  
☐ Test Well ☐ Public Supply ☐ Other  
☐ Irrigation

Drill method ☒ rotary ☐ auger ☐ cable other

## Hole size

 21 inch from 0 ft to 116 ft 10 inch from 207 ft to 246 ft  
 15 inch from 116 ft to 207 ft 8 inch from 246 ft to 460 ft

## Casing

☐ Drive shoe ☐ Pitless adaptor

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
16" .375	STEEL	+1	116	117
10" .365	STEEL	116	207	91
8"	SLO-PVC	204	246	42

## Perforated or slotted casing?

☐ Perforated ☒ Slotted from 204 ft to 246 ft  
☐ Perforated ☐ Slotted from ft to ft
Casing grouted? ☒ Grouted Placement method:

Type	Depth top	Depth bottom	Amount (vol/wt)
CEMENT	0	116	120 CU/FT
CEMENT	0	207	140 CU/FT

## Well Screen?

☐ Screen

Diameter	Slot size	Depth top	Depth bottom	Length	Material

Bottom Capped ☐ withSeals/Packers ☐ kind depth ftGravel packed ☐ from to ft

type amount

Well developed? ☒ Well Developed

Explain WITH AIR

☐ pumped ☒ airlifted ☐ bailed for 3 hrs at 300+ GPMPump installed? ☐ Pump Installed

Date

Installer's Name

Type of Pump

Depth to Intake

Pump diameter

Rated Capacity GPM

ft

GPM

Water information ☐ Sand/gravel ☒ Limestone ☐ SandstoneMain water-supply zone 1 from 207 ft to 440 ft ☐ seepage well

Main water-supply zone 2 from ft to ft

Static water level 95 ft (below/above) G ☐ tap ☐ airline ☐ E-line ☒ estimatePump water level 200 ft (below GL) ☐ tape ☐ airline ☐ E-line ☒ estimateAt yield of 320 GPM; ☐ Orifice ☐ Volumetric ☒ Estimate for 9 hours

Measurement taken at 9:00:00 AM

Date 10/17/2013

Water quality test? ☐

Date

Tested by

Contractor name GINGERICH WELL PUMP SERVICE, LLC

Address 1331 HWY 1, KALONA, IA 52246

Driller Dillon Gingerich

Certification no. 10177

